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PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

The Prevalence of Pellagra in the United States—A Statistical and Geographical Note, with Bibliography.

By C. H. Lavinder, Passed Assistant Surgeon, United States Public Health and Marine-Hospital Service; C. F. Williams, M. D., Secretary South Carolina State Board of Health and State Health Officer; and J. W. Babcock, M. D., Physician and Superintendent State Hospital for the Insane, Columbia, S. C.

Forty-five years ago 2 cases of probable pellagra with mental symptoms were reported by Doctor Gray, of Utica, N. Y., and Doctor Tyler, of Somerville, Mass., at the annual meeting of American Asylum Physicians, held in Washington, D. C. Exclusive of 1 case reported by Dr. H. F. Harris, of Georgia, and 1 by Dr. S. Sherwell, of Chicago, in 1902, the disease has since 1864 till recently, 1906–7, either disappeared or been overlooked, or, which is more likely, the physician when first studying one of these puzzling cases and inclining to the diagnosis of pellagra has accepted too readily the assertion of all authorities that pellagra does not exist in the United States, and has therefore given another name to his case (see final note), although his professional conscience may never have been satisfied.

In spite of authoritative denial of the existence of pellagra in this country, a number of cases of the disease were recognized and reported in 1907 independently by medical officers of Alabama and South Carolina asylums. In the summer of 1908 the disease was identified with Italian pellagra by two South Carolina physicians who visited Italy for the purpose of studying the disease. Following these observations, pellagra has been observed in many different localities, such as Wilmington, Morganton, and Charlotte, N. C., Augusta, Milledgeville, and Atlanta, Ga., and in many places in South Carolina, as well as in other States.

For the last year and a half the South Carolina State board of health has been actively investigating the pellagra problem by special inquiry, conference, and original research with the cooperation of Surgeon-General Wyman, of the United States Public Health and Marine-Hospital Service, who has assigned one of the present writers (C. H. L.) to duty at Columbia and vicinity for this purpose.

Recently a letter of inquiry (see below) about pellagra was addressed by another of the present writers (C. F. W.) to the superintendents of state hospitals for the insane in the United States, and the following table embodies their replies:

To 164 inquiries 120 replies were received, about 20 being in the affirmative.

New York: Number of cases, few (near Brooklyn).
Pennsylvania (Dixmont): Number of cases, 1; recognized, 1909 (Hungarian).

Maryland: Number of cases, 1 or 2; recognized, 1909; probably existed since 1905: male, 1; female, 1.

Virginia (Staunton): Number of cases, 1 (?); recognized, 1908.

Virginia (Petersburg): Number of cases, 1 (?).

North Carolina (Raleigh): Number of cases, several; recognized, 2 or 3 years; probably existed 10 years.

North Carolina (Goldsboro): Number of cases, 8; recognized, 1908; probably existed 10 years; female, 8.

North Carolina (Doctor Taylor, Morganton): Number of cases, 8; probably existed 22 years.

North Carolina (Doctor McCampbell, Morganton): Number of cases, 20; probably existed 5 years.

North Carolina (Doctor Wood, Wilmington): Number of cases, 75 in State.

South Carolina State Hospital: Number of cases, 125; recognized, 1907; probably existed 20 to 30 years; male, 25 per cent; female, 75 per cent.

South Carolina (Doctor Williams, Columbia): Number of cases, 500 estimated in State.

Georgia (Grady Hospital, Atlanta): Number of cases, 10; recognized, 1907.

Georgia (State Sanitarium, Milledgeville): Number of cases, 225; recognized, 1907; probably existed about 25 years; male, 25 per cent; female, 75 per cent.

Florida (State Hospital, Chattahoochee): Number of cases, 12; recognized, 1907; probably existed 4 years; male, 5; female, 7.

Alabama (Mount Vernon Hospital): Number of cases, 154, and 2 private; recognized, 1906; probably existed since 1906; male, small number; female, large number. Dr. G. H. Searcy estimates 150 to 200 cases in State.

Mississippi (Jackson): Number of cases, 1; other cases in State.

Mississippi (Meridian): Number of cases, 2; recognized, 1907 (?); male, 1; female, 1.

Louisiana (Pineville): Number of cases, 3.

Tennessee (Baptist Orphans' Home, Nashville): Number of cases, 11.

Kansas (Topeka): Number of cases, 6 (?); probably existed 15 years; male, 3; female, 3.

Kansas (Epileptic colony, Parsons): Number of cases, 1; probably existed, native.

This table seems to show that there are records of about 1,000 cases of pellagra scattered in 13 States. More than half of these have been reported from asylums or similar institutions. Sporadic or suspected cases have been reported from Texas and Arkansas, as well as from New York.

Dr. E. J. Wood, of Wilmington, N. C., has records of 300 cases in the South, 75 of which occurred in North Carolina. It has been estimated that hundreds of cases exist in Georgia, and Doctor Walker, of the State Sanitarium, Milledgeville, says that 2 per cent of over 947 admissions in 1908 were cases of pellagra.

One of the present writers (C. H. L.) has reported to the Surgeon-General a conservative estimate of 1,500 cases in the Southern States since 1906.

The asylum officers in Maryland have not observed cases, but Dr. W. S. Thayer, of the Johns Hopkins Hospital, has recently recognized and reported a case of the disease in Baltimore and is satisfied that he observed a similar case several years ago (1905).

The disease does not seem to have appeared in the Tennessee Hospital for the Insane, but 11 cases of pellagra have been reported as occurring in the Baptist Orphans' Home at Nashville.

Doctor Dewing, of the Long Island State Hospital, Flatbush, Brooklyn, N. Y., reports that he has had no cases of pellagra in his hospital, but "a few cases apparently from other sections of the country" have been observed in that vicinity.

One of the present writers observed in New York, in 1908, a case of the disease in a white American seaman in the coastwise service.

Although not within the boundaries of the United States, it deserves passing note that Dr. B. K. Ashford has reported the observation of 1 case in Porto Rico, and Dr. J. A. Hayne has observed 2 cases on the Panama Canal Zone.

While absolute accuracy is not claimed for these statistics, they may be regarded as a fair indication of the extent and distribution of pellagra as now recognized in this country, and their presentation at this time is made for the purpose of emphasizing the growing importance of the pellagra problem in the United States.

The following interrogations are used by one of the present writers (C. F. W.) in gathering statistics of pellagra:

1. Have you seen any case of pellagra in your institution or in your State? .....
2. How many cases have you seen? .....
3. How long since you recognized the disease? .....
4. If at all, how long do you think the disease has existed in your section? .....
5. What proportion were male? ..... Female? .....
6. What was the occupation of those affected? ..... Nationality? .....
7. Do the products of Indian corn (hominy or meal) form a part of the dietary of the patients and are those products derived from native or shipped corn? .....
8. Were your patients from the poor ....., moderate ....., or well-to-do classes? ..... And were they from the city ....., town ....., or country? .....

..... M. D.,
Superintendent.....
State of .....

BIBLIOGRAPHY.

1864. Tyler & Gray, American Journal Insanity, October.
1902. Harris, H. F., Ankylostomiasis in an individual presenting all typical symptoms of pellagra.—American Med. Assn., IV-3-99.
1902. Sherwell, S., A note relative to a case of pellagra.—Trans. American Dermat. Association, 1902.
1907. Searcy, G. H., Epidemic acute pellagra.—Journal American Medical Association, XLIX-1-37.
1907. Merrill, T. C., Sporadic case diagnosed as pellagra.—Journal American Medical Association, XLIX-11-940.
1907. Harris, H. F., Pellagra.—Georgia State Board of Health, Fourth Annual Report.
1907. Babcock, J. W., What are pellagra and pellagrous insanity, etc.?—South Carolina State Board of Health, Annual Report, 1907, and American Journal Insanity, April, 1908.
1908. Wood, E. J., Symptoms and diagnosis; McCampbell, John, Observations on; Lavinder, C. H., Etiology and pathology; discussion.—Symposium on pellagra at meeting North Carolina Medical Society, 1908.
1908. Bellamy, R. H., Pellagra, its occurrence in this country.—Report of a case, Journal American Medical Association, LI-5-397.
1908. Lavinder, C. H., Pellagra, a précis.—United States Public Health and Marine-Hospital Service.
1908. Conference on pellagra, Columbia, S. C., October 29, South Carolina State Board of Health, Annual Report, 1908. (Contains fifteen papers on the etiology, pathology, diagnosis, and treatment of pellagra, with many clinical histories by physicians of North Carolina, South Carolina, and Georgia.
1908. King, J. M., Pellagra with report of cases.—Southern Medical Journal, Vol. 1-5-289.
1908. Moore, N. M., Pellagra, report of case with remarks on etiology.—Journal American Medical Association, LI-13-1076.
1908. Wood, E. J., Paper read at Philadelphia, not yet published.
1908. Leach, S., A case of pellagra.—Trans. Ala. Med. Assn., 1908.
1908. Searcy, G. H., Pellagra in Southern States.—N. O. Med. & Surg. Journal, Vol. LXI-6-413.
1909. Randolph, Jas. H., Notes on pellagra and pellagrins—Arch. Int. Med., 1909.

1909. McCafferty, E. L., Pellagra among colored insane at Mount Vernon Hospital.—Mobile Med. & Surg. Journal; Gulf States Jour. Med. & Surg., April 11.
1909. Watson, J. J., Pellagra.—N. Y. Medical Journal, LXXXIX-19-1936.
1909. Moore, N. M., Prevalence pellagra in United States; Alsberg, C. L., Relation of production and utilization of maize to pellagra; Lavinder, C. H., Etiology of pellagra; discussion.—Symposium at meeting American Society Trop. Medicine, 1909.
1909. Thomas, J. N., Report of cases, Asylum, Pineville, La.—About to appear, N. O. Medical Journal.
1909. Thayer, W. S., Report of two cases of pellagra.—About to appear in Bulletin Johns Hopkins Hospital.

NOTE.—There seems little doubt that the condition now recognized as pellagra has existed in the Southern States for many years—25 or 30 at least—and has been regarded as an unusual manifestation of tuberculosis, syphilis, malaria, acute delirium, hook-worms, dermatitis exfoliativa, eczema, etc. Careful search through medical literature may disclose the fact that cases of pellagra have been reported under these or other diagnoses.

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond and in Alameda and Contra Costa counties, Cal.

Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
Date of last case of rodent plague: October 23, 1908.

Week ended May 22, 1909.

Dead inspected	110
Plague	0
Premises inspected	2,514
Houses disinfected	57
Buildings condemned	5
Houses destroyed	2
Nuisances abated	317
Rats found dead	56
Rats trapped	2,494
Total rats taken	2,550
Rats identified:	
Mus norvegicus	1,963
Mus rattus	66
Mus musculus	477
Mus alexandrinus	17
Total	2,523
Rats identified as to sex:	
Male	953
Female	1,012
Total	1,965
Gophers trapped	21
Rabbits trapped	1
Rats examined bacteriologically	1,612
Plague rats	0
Gophers examined bacteriologically	21
Plague gophers	0

Rabbits examined bacteriologically	1
Plague rabbits	0
Poisons placed	16,691

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended May 29, 1909.

Dead inspected	23
Plague	0
Necropsies held	1
Premises inspected	438
Premises reinspected	477
Premises cleaned	95
Nuisances abated	103
Garbage cans installed	13
Rats found dead	31
Rats trapped	943
Rats identified:	
Mus norvegicus	970
Mus alexandrinus	2
Mus musculus	36
Total	1,008
Rats examined bacteriologically	972
Plague rats	0
Mice examined bacteriologically	36
Plague mice	0

POINT RICHMOND, CAL.

Week ended May 29.

Premises inspected	350
Nuisances abated	21
Rats found dead	14
Rats trapped	51
Rats examined bacteriologically	51
Plague rats	0
Poisons placed	4,900

ALAMEDA COUNTY, CAL.

Week ended May 29, 1909.

Dead inspected	46
Plague	0
Necropsies held	8

CONTRA COSTA COUNTY, CAL.

Week ended May 29.

Dead inspected	1
Plague	0
Ground squirrels shot	332
Ground squirrel found dead	1
Ground squirrels trapped	12
Ground squirrels examined bacteriologically	261
Plague squirrels	0
Ranches inspected	22
Acres covered with poison	33
Poisons placed	801

Reports from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, June 1:

SEATTLE, WASH.

Date of finding of last plague rat, September 26, 1908.

Week ended May 29, 1909.

Rats received	792
Rats necropsied	784
Plague rats found	0
Plague-infected rats to date	21

Report of plague laboratory work, month of May, 1909—Examination of rats for plague infection—Lepra-like disease found.

Assistant Surgeon Chapin reports, June 3, through Passed Assistant Surgeon Glover:

Month of May 1909.—During the month 3,663 rats were delivered at the laboratory and 3,349 were necropsied. No plague-infected rats were found.

Bounty men have been making large catches from the city dump, brush bulkheads, etc., at the southern end of the city, a section shown last year to be plague infected. Partly because many of these rats are too putrefied to show anything definite by the usual method of examination and partly to avoid the possibility of overlooking any infection, the method has been adopted in certain cases of inoculating a single animal by cutaneous method from the organs of every rat of an entire catch from the same locality, sometimes 30 or even more in number. Inoculation has thus been made during the month from over 400 rats, with negative results.

Two cases of lepra-like disease of rats have been found during the month.

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

CALIFORNIA—*San Francisco.*—Annual report for the fiscal year ended June 30, 1907. Total number of deaths, 6,302, including enteric fever 228, smallpox 1, measles 42, scarlet fever 9, whooping cough 37, diphtheria 41, plague 1, leprosy 4, beriberi 2, and 678 from tuberculosis. Cases: Scarlet fever 229, diphtheria 295, enteric fever 1,279, measles 1,236, tuberculosis 595, smallpox 40, whooping cough 5, beriberi 1, and bubonic plague 1.

COLORADO—*Colorado Springs.*—Month of March, 1909. Estimated population, 32,000. Total number of deaths, 39, including scarlet fever 1, and 8 from tuberculosis. Cases: Scarlet fever 14, and diphtheria 1.

Month of April, 1909. Total number of deaths, 40, including scarlet fever 2, diphtheria 1, and 12 from tuberculosis. Cases: Scarlet fever 13, diphtheria 4, measles 1, and whooping cough 2.

FLORIDA.—Report from the state board of health of cases of communicable diseases for the week ended June 5, 1909, shows as follows: *Malaria*—Crescent City 2, Jacksonville 21, Tampa 8, Daytona, Inverness, Lakeland, Floyd, Plant City, and Sanford each 1 case. *Tuberculosis*—Jacksonville 6, Tampa 3, Key West 2, Pensacola and Palmetto each 1 case. *Enteric fever*—Jacksonville 2, Citra, Dade City, De Funiak Springs, and Morriston each 1 case.

Pensacola.—Month of May, 1909. Estimated population, 30,000. Total number of deaths, 38, including smallpox 1, and 1 from tuberculosis.

INDIANA—*Jeffersonville.*—Month of May, 1909. Estimated population, 12,000. Total number of deaths, 11, including 1 from enteric fever. Cases: Enteric fever 1, and diphtheria 1.

IOWA—*Ottumwa.*—Month of May, 1909. Estimated population 25,000. Total number of deaths, 31, including 3 from tuberculosis. Cases: Measles 10, diphtheria 1, smallpox 4, and whooping cough 12.

KANSAS.—Month of April, 1909. Estimated population, 1,470,495. Total number of deaths from contagious and infectious diseases, 111. Causes of death: Tuberculosis 72, enteric fever 10, diphtheria 7, scarlet fever 3, smallpox 1, and 18 from measles. Cases: Tuberculosis 109, enteric fever 26, diphtheria 64, scarlet fever 113, smallpox 315, and measles 1,006.

MASSACHUSETTS—*Newton.*—Month of May, 1909. Estimated population, 38,919. Total number of deaths, 46, including measles 2, and 3 from pulmonary tuberculosis. Cases: Diphtheria 6, scarlet fever 11, enteric fever 1, measles 147, and pulmonary tuberculosis 4.

NEW HAMPSHIRE—*Franklin.*—Month of May, 1909. Estimated population, 7,200. Total number of deaths, 11, including 1 from measles. Cases: Measles 10, and diphtheria 1.

Manchester.—Month of April, 1909. Estimated population, 68,000. Total number of deaths, 116, including diphtheria 3, enteric fever 4, and 11 from tuberculosis. Cases: Diphtheria 18, scarlet fever 3, measles 5, and enteric fever 7.

NEW YORK STATE.—Month of April, 1909. Estimated population, 8,699,643. Total number of deaths, 12,822, corresponding to an annual death rate of 18 per 1,000 of population, including enteric fever 55, smallpox 1, measles 195, scarlet fever 113, whooping cough 77, diphtheria 242, and 1,596 from tuberculosis. Cases: Tuberculosis 3,015, diphtheria 1,584, scarlet fever 2,475, measles 7,053, smallpox 33, and enteric fever 258.

Buffalo.—Month of May, 1909. Estimated population, 415,532. Total number of deaths, 491, including enteric fever 5, scarlet fever 13, diphtheria 6, whooping cough 1, and 36 from tuberculosis. Cases: Enteric fever 25, scarlet fever 258, diphtheria 33, measles 56, whooping cough 16, and tuberculosis 59.

Rome.—Month of May, 1909. Estimated population, 18,500. Total number of deaths, 33, including scarlet fever 1, measles 1, whooping cough 1, and 1 from tuberculosis. Cases: Scarlet fever 7, diphtheria 6, enteric fever 1, whooping cough 2, measles 3, and tuberculosis 1.

PENNSYLVANIA—*Pittsburg.*—Month of January, 1909. Estimated population, 572,000. Total number of deaths, 750, corresponding to an annual death rate of 15.73 per 1,000 of population, including diphtheria 12, scarlet fever 11, enteric fever 5, tuberculosis 47, whooping cough 2, measles 3, and 23 from diarrhea. Cases: Diphtheria 66, scarlet fever 114, tuberculosis 167, enteric fever 89, whooping cough 66, and measles 84.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to June 18, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Autauga County	Feb. 27–Apr. 5	11		
Prattville	Feb. 27–Apr. 5	3		
Dallas County	Feb. 20–Apr. 12	12		
Selma	Feb. 28–Apr. 12	26		
Jefferson County—Birmingham	Mar. 1–May 24	11		
Mobile County—Mobile	Jan. 12–Apr. 17	8		
Montgomery County—Montgomery	Mar. 13–Apr. 2		2	
Tuscaloosa County				86 cases, year 1908.
Total for State		71	2	
Arizona:				
Winslow	May 1–3	1	1	
Total for State		1	1	
Arkansas:				
Allbrook	Jan. 1–Mar. 25	40		
Bethel	Jan. 25	3		
Jonesboro	Jan. 20–Mar. 1	20		
Little Rock	Dec. 15–Jan. 2	23		
Magnolia	Jan. 5–13	25		
Paragould	Feb. 1–Mar. 9	27		
Texarkana	Nov. 26–Jan. 11	10		
Total for State		148		
California, general	Nov. 1–Mar. 31		5	
Berkeley	Apr. 18–24	1		
Los Angeles	Dec. 6–May 15	23	1	
Oakland	Nov. 1–Apr. 26	18		
Sacramento	Nov. 1–May 29	63		
San Francisco	Dec. 13–May 22	37		
Stockton	Nov. 1–May 1	13		
Total for State		155	6	
Colorado, general	July 1–Feb. 23	57		
Archuleta County	July 1–Dec. 31	1		
Boulder County	Mar. 1–31	2		
Chaffee County	July 1–Mar. 31	2		
Clear Creek County	Mar. 1–31	1		
Conejos County	Mar. 1–31	2		
Denver County—Denver	July 1–Mar. 31	18		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado, general—Continued.				
Douglas County	July 1-Dec. 31	5		
Fremont County	July 1-Dec. 31	1		
Garfield County	Mar. 1-31	3		
Huerfano County	July 1-Mar. 31	12		
Larimer County	July 1-Dec. 31	1		
Las Animas County	Mar. 1-31	5		
Logan County	Mar. 1-31	3		
Mesa County	Mar. 1-31	2		
Morgan County	July 1-Mar. 31	13		
Phillips County	July 1-Dec. 31	4		
Pueblo County	Mar. 1-31	38		
Weld County	July 1-Mar. 31	20		
Total for State		190		
District of Columbia:				
Washington	Dec. 28-May 29	13		
Total for District		13		
Florida:				
Pensacola	May 1-31		1	
Total for State			1	
Georgia:				
Bibb County—				
Macon	Mar. 14-June 6	43		
Cobb County	Jan. 16-Feb. 7	8		
Fulton County—				
Atlanta	Jan. 15-May 21	62		And vicinity.
Muscogee County—				
Columbus	June 6-12		1	
Paulding County	Jan. 16-Feb. 7	15		
Total for State		128	1	
Illinois:				
Alexander County—				
Cairo	Jan. 7-Mar. 31	233		
Delta	Feb. 1-28	40		
Fayville	Feb. 1-28			Present.
Thebes	Jan. 1-Feb. 28	6		
Bureau County—				
Ladd	Nov. 1-30	4		
Carroll County—				
Savanna	Feb. 1-Mar. 31	3		
Cass County	Feb. 1-Mar. 31	4		
Champaign County	Mar. 1-31	1		
Christian County—				
Edinburg	Feb. 1-Mar. 28	27		
Taylorville	Aug. 1-Mar. 31	55		
Clinton County—				
Boulder	Feb. 1-28	1		
Carlyle	Jan. 1-31	1		
Coles County—				
Charleston	Jan. 1-30	1		
Cook County—				
Chicago	Jan. 3-May 29	13	1	
Fayette County	Mar. 1-31	3		
Franklin County—				
West Frankfort	Dec. 12-Feb. 13	15		
Fulton County—				
Canton	Jan. 1-Feb. 28	55		
Cuba	Jan. 1-31	1		
Farmington	Mar. 1-31	25		
Lewiston	Jan. 1-Mar. 31	26		
Norris	Feb. 1-Mar. 31	19		
Jackson County	Feb. 1-21	2		
Murphysboro	Jan. 1-Mar. 31	70	1	
Jasper County	Jan. 1-31			Present in Smallwood and South Muddy townships.
Newton	Jan. 1-31	1		
Jo Daviess County—				
Galena	Jan. 1-31	3		
Kane County—				
St. Charles	Jan. 1-Mar. 31	2		
Kankakee County—				
Grant Park	Jan. 1-31	1		
Knox County—				
Galesburg	Feb. 14-May 15	11		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Lake County	Mar. 1-31	1		
Waukegan	Feb. 2-26	3		
Livingston County	Feb. 1-28	3		
McLean County—				
Bloomington	Jan. 1-Mar. 31	14		
Macon County	Feb. 1-Mar. 31	7		
Decatur	Jan. 1-Mar. 31	20		
Macoupin County		21		
Benld	Feb. 15-18	2		
Palmyra	Dec. 25-Jan. 20	4		
Scottsville	Dec. 25-Jan. 20	12		
Madison County—				
Alton	May 1-Apr. 30	3		
Marion County—				
Centralia	July 1-Jan. 20	53		
Kinmundy	Mar. 1-31	2		And vicinity.
Odin	Jan. 1-31	1		
Sandoval	Jan. 1-Mar. 31	3		
Mason County	Jan. 1-Mar. 31	12		Present in Bath, Havana, and Quiver townships.
Massac County—				
Metropolis	Jan. 1-Mar. 31	6		
Mercer County	Jan. 1-31	1		In North Henderson Township.
Montgomery County	Jan. 1-31	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville	Feb. 5-11	1		
Peoria County—				
Elmwood	Mar. 1-31	2		
Peoria	Dec. 31-May 31	121		Present in Glassford and in Timber and Trivoli townships.
Pope County—				
Eddyville	Feb. 1-28			Present in vicinity.
Pulaski County	Jan. 1-31			Present in Pulaski.
Mounds	Jan. 1-Mar. 31	18		
Mound City	Jan. 1-31	7		Feb. 28, still present.
Randolph County—				
Percy	Jan. 1-Mar. 31	40		
Preston	Mar. 1-31	6		
St. Clair County	Feb. 1-Mar. 31	16		
Belleville	Dec. 4-Feb. 28	15		
Mascoutah	Jan. 1-31	1		
Millstadt	Jan. 1-Feb. 28	2		
Saline County—				
Eldorado	Jan. 1-Feb. 28	4		
Harrisburg	Mar. 1-31	8		
Sangamon County—				
Pawnee	Jan. 1-31	2		
Springfield	Mar. 20-May 28	23		
Schuyler County—				
Browning	Oct. 12-Jan. 20	75		
Stephenson County—				
Freeport	Feb. 1-28	9		
Tazewell County	Jan. 1-Mar. 31			Present in Elm Grove, Green Valley, and Groveland townships.
Pekin	Jan. 1-Mar. 31	53		
Washington	Mar. 1-31	1		
Vermilion County—				
Danville	Jan. 11-May 30	91		
Rankin	Feb. 1-28	1		
Williamson County—				
Bush	Mar. 1-31	6		
Carterville	Jan. 1-Mar. 31	17		
Johnston City	Jan. 1-31	1		
Marion	Jan. 1-Mar. 31	19		
Woodford County—				
Roanoke	Mar. 1-31	3		
Total for State		1,341	2	
Indiana:				
Allen County	Dec. 1-Mar. 31	2		
Fort Wayne	Jan. 10-June 5	17		
Bartholomew County	Dec. 1-31	1		
Benton County	Nov. 1-Mar. 31	5		
Boone County	Nov. 1-Dec. 31	2		
Carroll County	Oct. 1-Mar. 31	36		
Cass County	Jan. 1-31	1		
Clay County	Oct. 1-31	8		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Clinton County	Feb. 1-Mar. 31	20		
Dearborn County	Oct. 1-Feb. 28	15		
Decatur County	Jan. 1-Mar. 31	9		
Delaware County	Dec. 1-Jan. 31	61		
Muncie	Mar. 27	1		
Elkhart County	Oct. 1-Mar. 31	20		
Elkhart	Jan. 17-Mar. 6	8		
Floyd County	Feb. 1-28	1		
Fountain County	Feb. 1-28	19		
Franklin County	Dec. 1-31	1		
Gibson County	Dec. 1-Mar. 31	6		
Grant County	Dec. 1-Jan. 31	7		
Union	Feb. 6	5		
Greene County	Jan. 1-31	1		
Hamilton County	Dec. 1-Mar. 31	30		
Harrison County	Dec. 1-Jan. 31	11		
Hendricks County	Nov. 1-Dec. 31	5		
Henry County	Jan. 1-Feb. 28	12		
Howard County	Jan. 7-Feb. 28	9		
Jennings County	Feb. 1-Mar. 31	11		
Johnson County	Feb. 1-Mar. 31	2		
Kosciusko County	Mar. 1-31	11		
Laporte County	Feb. 1-28	6		
Madison County	Oct. 1-Jan. 31	6		
Anderson	Dec. 1-31	1		
Marion County	Dec. 1-31	1		
Indianapolis	Jan. 18-May 30	10		
Miami County	Dec. 1-Jan. 31	8		
Montgomery County	Feb. 1-28	2		
Noble County	Jan. 1-31	11		
Posey County	Feb. 1-28	3		
Rush County	Dec. 1-Feb. 28	43		
Shelby County	Dec. 1-31	1		
Spencer County	Dec. 1-Feb. 28	3		
St. Joseph County	Dec. 1-Feb. 28	32		
South Bend	Mar. 23-June 5	16		
Sullivan County	Oct. 1-31	2		
Tippecanoe County	Oct. 1-Feb. 28	91		
Lafayette	Dec. 15-May 3	66	1	
Tipton County	Nov. 1-Jan. 31	4		
Vanderburg County—				
Evansville	Jan. 10-May 15	11		
Vermilion County	Mar. 1-31	4		
Vigo County	Oct. 1-Dec. 31	7		
Wabash County	Nov. 1-Dec. 31	4		
Warren County	Dec. 1-Feb. 28	38		
Warrick County	Feb. 1-28	1		
Wayne County	Nov. 1-Mar. 31	17		
Wells County	Feb. 1-28	58		
White County	Mar. 1-31	14		
Total for State		797	1	
Iowa, general	July 1-Sept. 30		2	
Burlington	Jan. 1-31	1		
Cedar Rapids	Mar. 1-May 31	18		
Council Bluffs	July 1-May 16	36	2	
Davenport	Apr. 12-May 30	5		
Dubuque	Oct. 1-Jan. 31	87	1	
New Hampton	Feb. 26	8		
Sioux City	Apr. 1-May 31	2		
Total for State		157	5	
Kansas:				
Allen County	Jan. 1-Mar. 31	11		
Atchison County	Mar. 1-31	9		
Atchison	Dec. 20-Mar. 31	6		
Barton County	Nov. 1-30	7		
Bourbon County	Nov. 1-30	1		
Brown County	Nov. 1-Mar. 31	56		
Butler County	Feb. 1-Mar. 31	7		
Chautauqua County	Feb. 1-Mar. 31	19		
Cherokee County	Jan. 1-Mar. 31	30		
Clark County	Mar. 1-31	5		
Crawford County	Jan. 1-Mar. 31	9		
Pittsburg	Nov. 1-Mar. 31	130		
Decatur County	Jan. 1-Mar. 31	12		
Doniphan County	Mar. 1-31	15		
Douglas County	Mar. 1-31	3		
Finney County	Feb. 1-28	2		
Ford County	Jan. 1-Mar. 31	4		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Franklin County	Dec. 1-Mar. 31	4		
Greenwood	Feb. 1-Mar. 31	24		
Harvey County	Nov. 1-Mar. 31	6		
Jackson County	Nov. 1-Mar. 31	106		
Jefferson County	Dec. 1-Mar. 31	23		
Jewell County	Dec. 1-Mar. 31	30		
Labette County—				
Parsons	Jan. 1-Mar. 31	11		
Lane County	Jan. 1-31	4		
Lincoln County	Mar. 1-31	1		
Lyon County	Feb. 1-28	8		
McPherson County	Jan. 1-31	1		
Marion County	Mar. 1-31	1		
Marshall County	Jan. 1-Mar. 31	4		
Mitchell County	Feb. 1-28	2		
Montgomery County	Nov. 1-Mar. 31	20		
Nemaha County	Dec. 1-Feb. 28	3		
Ness County	Mar. 1-31	5		
Osage County	Feb. 1-Mar. 31	39		
Osborne County	Mar. 1-31	4		
Phillips County	Dec. 1-Mar. 31	9		
Pottawatomie County	Nov. 1-Mar. 31	70		
Pratt County	Dec. 1-31	20		
Rawlins County	Mar. 1-31	20		
Reno County	Nov. 1-Jan. 31	4	1	
Republic County	Mar. 1-31	3		
Riley County	Nov. 1-30	2		
Rooks County	Jan. 1-31	3		
Saline County	Nov. 1-Mar. 31	57		
Sedgwick County	Feb. 1-Mar. 31	9		
Wichita	Mar. 7-May 29	37		
Shawnee County	Nov. 1-Mar. 31	120		
Topeka	June 7-Apr. 3	128		
Sheridan County	Dec. 1-Jan. 31	11		
Smith County	Feb. 1-Mar. 31	8		
Stafford County	Dec. 1-31	1		
Sumner County	Nov. 1-Mar. 31	11		
Thomas County	Jan. 1-31	2		
Wallace County	Jan. 1-31	2		
Wabaunsee County	Jan. 1-Mar. 31	8		
Wilson County	Nov. 1-30	5		
Wyandotte County—				
Kansas City	Jan. 3-June 5	84		
Total for State		1,236	1	
Kentucky:				
Anderson County	Oct. 1-Jan. 20	200	1	Including Lawrenceburg.
Berea	Feb. 1-Apr. 2	20		
Covington	Dec. 29-June 12	39		
Fulton	Feb. 1-Mar. 22	27		
Georgetown	Dec. 2-Mar. 4	31		
Henderson	May 1-31	2		Jan. 1-June 30, 1908, 7 cases.
Lexington	Dec. 28-Apr. 5	55		
Newport	July 1-June 6	74	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah	Jan. 24-May 30	57		
Total for State		505	2	
Louisiana:				
Alexandria	Feb. 1-28	9		
Arcadia Parish	Dec. 20-Jan. 11	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans	Dec. 20-June 5	65		Mainly imported.
Shreveport	Jan. 1-20	32	1	
Winnfield	Jan. 1-Mar. 24	33		And vicinity.
Total for State		169	1	
Maine:				
Cyr plantation	Oct. 16-24	11		
Frenchville	Nov. 11-Dec. 5	2		
Grand Isle (Grant Isle)	Oct. 16-Dec. 12	26		
St. Agatha	Oct. 24-Dec. 26	9		
St. David	Dec. 13-19	1		
Upper Frenchville	Oct. 25-Nov. 11	2		
Van Buren	Oct. 18-May 22	98		
Total for State		149		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland	Mar. 18-21	10		House of Correction Bridewell.
Baltimore	Jan. 30-Feb. 6	1		
Total for State		11		
Massachusetts:				
Boston	Mar. 14-20	2		
Haverhill	Mar. 14-20	1		
Lawrence	Mar. 7-13	1		
New Bedford	Jan. 30-Mar. 13	3	1	
Northfield	Apr. 1-24	2		
Somerville	May 16-22	1		
Total for State		10	1	
Michigan:				
Barry County	Nov. 1-Dec. 31	5		
Cheboygan County	Dec. 1-31	4		
Delta County	Nov. 1-30	1		
Eaton County	Dec. 1-31	1		
Ingham County—				
Lansing	Nov. 1-Dec. 31	11		
Ionia County	Dec. 1-31	2		
Kalamazoo County	Dec. 1-31	3		
Kent County—				
Grand Rapids	Jan. 24-June 5	12		
Lapeer County	Dec. 1-31	2		
Macomb County	Nov. 1-30	1		
Manistee County	Nov. 1-30	2		
Menominee County	Dec. 1-31	1		
Muskegon County	Nov. 1-Dec. 31	19		
Saginaw County—				
Saginaw	Jan. 16-May 29	28		
St. Clair County	Nov. 1-Dec. 31	2		
Port Huron	Nov. 1-Dec. 5	3		
Wayne County—				
Detroit	Jan. 10-Mar. 27	7		
Wexford County	Dec. 1-31	2		
Total for State		106		
Minnesota, general	Jan. 1-Feb. 28		3	
Anoka County	Jan. 18-Mar. 29	18		
Becker County	Dec. 7-Mar. 8	14		
Beltrame County	Dec. 15-May 24	5		
Benton County	Oct. 26-Nov. 2	1		
Brown County	Oct. 30-May 10	22		
Carlton County	Apr. 19-26	2		
Carver County	Dec. 7-May 10	26		
Cass County	Oct. 12-Apr. 26	3		
Chippewa County	Nov. 3-Jan. 4	3		
Chisago County	Apr. 12-19	1		
Clay County	Jan. 25-Mar. 29	2		
Cottonwood County	Oct. 20-26	1		
Crow Wing County	Mar. 1-May 3	6		
Dakota County	Apr. 19-May 17	3		
Dodge County	Nov. 24-Feb. 1	3		
Douglas County	Feb. 22-Mar. 1	1		
Faribault County	Dec. 7-28	2		
Filmore County	Dec. 15-Mar. 13	19		
Freeborn County	Apr. 5-12	1		
Goodhue County	Apr. 19-26	1		
Grant County	Apr. 5-May 3	8		
Hennepin County	Oct. 6-May 3	27		
Minneapolis	Nov. 1-Apr. 30	116		
Houston County	Mar. 29-Apr. 26	7		
Hubbard County	Oct. 19-Apr. 26	64		
Jackson County	Dec. 7-Jan. 18	16		
Kandiyohi County	Dec. 15-Jan. 18	7		
Kittson County	Dec. 15-Jan. 12	2		
Lac qui Parle County	Nov. 2-Jan. 12	7		
Lake County	Mar. 8-May 10	4		
Lesueur County	Jan. 25-Feb. 1	1		
Lyon County	Nov. 16-Jan. 12	3		
McLeod County	Feb. 1-22	6		
Marshall County	Dec. 15-Jan. 12	1		
Meeker County	Apr. 19-26	1		
Millelacs	May 3-10	1		
Morrison County	Nov. 20-Mar. 15	53		
Mower County	Dec. 28-May 17	9		
Murray County	Apr. 26-May 3	1		
Nicollet County	Nov. 16-Mar. 1	57		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Cont'd.				
Nobles County	Feb. 15-May 10	5		
Norman County	Dec. 7-13	5		
Olmsted County	Jan. 18-May 3	9		
Ottertail County	Feb. 15-Apr. 26	5		
Pine County	Feb. 1-Apr. 26	15		
Pipestone County	Dec. 7-Mar. 15	10		
Polk County	Dec. 15-Mar. 27	13		
Ramsey County	Nov. 16-Apr. 19	7		
St. Paul	Nov. 1-Mar. 31	200		
Red Lake County	Dec. 22-Apr. 19	4		
Red Wood County	Jan. 12-Feb. 15	24		
Renville County	Dec. 1-May 3	4		
Rice Caunty	Feb. 8-May 3	28		
Rock County	Jan. 12-May 24	15		
Scott County	Jan. 12-18	1		
St. Louis County	Dec. 15-Apr. 19	10		
Duluth	Nov. 9-June 4	33		
Sibley County	Dec. 7-May 10	42		
Stearns County	Nov. 9-May 10	54		
Steele County	Oct. 20-Jan. 12	11		
Stevens County	Nov. 9-Jan. 12	14		
Swift County	Apr. 5-12	2		
Todd County	Nov. 9-Apr. 21	23		
Traverse County	May 8-Apr. 12	2		
Wabasha County	Nov. 2-May 10	61		
Wadena County	Nov. 2-Apr. 19	43		
Waseka County	Oct. 26-May 10	49		
Washington County	Nov. 24-Feb. 22	2		
Stillwater	Dec. 1-31	3		
Winona County	Dec. 1-7	4		
Winona	Dec. 1-May 24	25		
Wright County	Feb. 15-May 10	6		
Yellow Medicine County	Oct. 20-Jan. 18	2		
Total for State		1,256	3	
Mississippi:				
De Soto County	Nov. 1-Dec. 22	135		
Total for State		135		
Missouri:				
Kansas City	Jan. 24-June 5	27		
Kirksville	Nov. 1-Jan. 31	96		
Liberty	Jan. 15-Mar. 11	20		
Neosho	Mar. 15	6		
Rich Hill	Dec. 5-31	4		
St. Joseph	Dec. 1-Apr. 3	2		
St. Louis	Dec. 20-May 29	32		
Springfield	Nov. 1-Feb. 28	3		
Total for State		190		
Montana:				
Beaverhead County	Feb. 1-28	2		
Carbon County	Feb. 1-28	1		
Cascade County	Nov. 1-Mar. 31	14		
Great Falls	Apr. 25-May 1	1		
Choteau County	Jan. 1-Feb. 28	4		
Dawson County	Dec. 31-Apr. 30	33		
Deer Lodge County	Apr. 1-30	3		
Fergus County	Dec. 31-Mar. 31	35		
Flathead County	Nov. 1-Apr. 30	3		
Gallatin County	Nov. 1-Apr. 30	27		
Bozeman	Nov. 1-Mar. 31	19	1	
Granite County	Jan. 1-Mar. 31	7		
Jefferson County	Nov. 1-30	4		
Lewis and Clark County	Mar. 1-31	1		
Madison County	Dec. 1-31	2		
Meagher County	Mar. 1-31	1		
Missoula County	Jan. 1-31	12		
Missoula	Jan. 1-Apr. 30	6	1	
Park County	Jan. 1-Apr. 30	18		
Livingston	Apr. 1-30	7		
Powell County	Jan. 1-Feb. 28	15		
Ravalli County	Nov. 1-Apr. 30	22		
Sanders County	Jan. 1-Feb. 28	11		
Silverbow County	Nov. 1-Apr. 30	40	1	
Butte	Mar. 16-June 3	64		
Yellowstone County	Nov. 1-30	1		
Billings	Jan. 1-Mar. 31	2		
Total for State		355	3	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Nebraska:				
Arlington	Jan. 25	1		
Lincoln	Nov. 1–Apr. 30	46		
Polk	Mar. 20–Apr. 23	14		And vicinity.
South Omaha	Dec. 20–Apr. 10	15		
Total for State		76		
New Hampshire:				
Hinsdale	Nov. 1–Dec. 15	6		
West Chesterfield	Nov. 1–Dec. 15	1		
West Lebanon	Jan. 15–Feb. 7	2		
Westmoreland	Nov. 1–Dec. 15	1		
Total for State		10		
New Jersey:				
Camden	Feb. 21–May 8	16		
Haddonfield	Mar. 26–27	2		
Hightstown	Mar. 3	1		
Hoboken	June 5	1		
Lodi	Apr. 15	1		
New Brunswick	Mar. 7–May 22	12		
Paterson	Mar. 16–Apr. 2	8		
Perth Amboy	Mar. 4–Apr. 29	30		
Plainfield	Mar. 7–Apr. 10	6		
Trenton	Apr. 25–May 1	2	1	
Woodbridge	Mar. 6–26	1		
Total for State		80	1	
New York, general	Nov. 1–Apr. 30	262	3	Including Amsterdam, Bridgeport, Broome, Cicero, Gardiner, and Middleburg.
Buffalo	Feb. 14–Mar. 20	4		
Little Falls	Apr. 10–May 8	4		
Mohawk Valley				Year 1908. 1 death.
New York	Feb. 21–Apr. 3	6	1	
Niagara Falls	Feb. 7–May 1	2		
Rome	Jan. 1–31	1		
Schenectady	Feb. 7–13	1		
Syracuse	Jan. 9–31	3		
Total for State		283	4	
North Carolina:				
Ashe County	Jan. 1–31	7		
Bertie County	Nov. 1–Feb. 28	3		
Camden County	Jan. 1–Feb. 28	50		
Catawba County	Nov. 1–Dec. 31	4		
Craven County	Feb. 1–28	2		
Currituck County	Nov. 1–Jan. 31	34		Present in February.
Duplin County	Dec. 1–Feb. 28	68		
Edgecombe County	Dec. 1–31	1		
Forsyth County	Feb. 1–28	18		
Harnett County	Feb. 1–28	16		
Johnston County	Nov. 1–Feb. 28	19		
Jones County	Jan. 1–31	3		
Lee County	Feb. 1–28	10		
Lenoir County	Dec. 1–Feb. 28	60		
Lincoln County	Dec. 1–31	1		
Madison County	Jan. 1–Feb. 28	7		
Martin County	Feb. 1–28	9		
Mecklenberg County—Charlotte	May 8–14	1		
Nash County	Jan. 1–Feb. 28	2		
New Hanover County—Wilmington	Jan. 22–Mar. 1	4		Imported.
Pasquotank County	Nov. 1–Feb. 28	129		
Pitt County	Jan. 1–31	2		
Rowan County	Feb. 1–28	1		
Sampson County	Jan. 1–Feb. 28	31		
Scotland County	Jan. 1–31	6		
Warren County	Feb. 1–28	3		
Wayne County	Jan. 1–Feb. 28	27		
Total for State		518		
North Dakota	July 1–Feb. 19	168		
Ward County	Jan. 12–Mar. 31	27		
Sherwood	Jan. 12–Mar. 31	46		
Total for State		241		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio, general	June 14-Jan. 2	337		
Ashtabula	Apr. 11-May 29	12		
Cincinnati	Dec. 12-June 4	266	2	
Cleveland	Feb. 28-June 11	7		
Columbus	Dec. 26-May 29	19		
Conneaut	Mar. 1-Apr. 29	3		
Dayton	Jan. 24-Feb. 20	5		
Hillsboro	Apr. 14-June 2	61		
Massillon	May 10-16	1		
Newark		3		Year 1908.
Sandusky	May 9-15	1		
Tiffin	Jan. 3-23	2		
Toledo	May 2-8	1		
Warren	May 2-8	1		
Total for State		719	2	
Oregon:				
Clackamas County	Sept. 1-Feb. 28	6		
Columbia County	Jan. 1-31	6		
Harney County	Sept. 1-30	1		
Hood River County	Jan. 1-31	4		
Jackson County	Oct. 1-Dec. 31	9		
Lane County	Dec. 1-31	10		
Linn County	Sept. 1-Oct. 31	5		
Marion County	Sept. 1-Feb. 28	16		
Multnomah County	Dec. 1-31	5		
Portland	Nov. 1-Mar. 31	100		
Polk County	Sept. 1-Feb. 28	14		
Tillamook County	Oct. 1-31	1		
Umatilla County	Sept. 1-Jan. 31	9		
Wallowa County	Oct. 1-Feb. 28	8		
Washington County	Oct. 1-Feb. 28	39		
Yamhill County	Sept. 1-Feb. 28	19		
Total for State		252		
Pennsylvania:				
Gracedale	Oct. 24	1		
Harrisburg	Dec. 18-Jan. 20	3		
New Castle	Feb. 1-28	2		
New Kingstown	Dec. 29			Present
Philadelphia	Dec. 10-May 21	2		
Pittsburg	Dec. 13-May 22	2		Imported
Prompton	Jan. 2-Feb. 10	3		
Total for State		13		
South Carolina:				
Winnsboro	Feb. 1-28	5		
Yorkville	Mar. 10-Apr. 26	14	8	And vicinity
Total for State		19	8	
South Dakota:				
Aberdeen	May 1-Jan. 31	43		
Total for State		43		
Tennessee:				
Fayette County	Dec. 1-Mar. 28	200		
Greene County	Jan. 2	103		Including Greeneville.
Knoxville	Dec. 28-May 15	39		
Memphis	Jan. 1-Mar. 13	190	1	
Murfreesboro	Mar. 15-31	1		
Nashville	Dec. 20-May 29	49		
Polk County	Jan. 22	30		
Total for State		612	1	
Texas:				
Corpus Christi	Apr. 2			Present.
Cost	Oct. 1-Dec. 19			Do.
Cotulla	Jan. 25-Feb. 17			Do.
Denton County	Jan. 1-Feb. 8	9		Including Justin and Roanoke.
El Paso	Feb. 10-Mar. 16	8	1	
Falfurrias	Dec. 26	12		
Fort Worth		256		Year 1908.
Do	Feb. 1-May 31	49	2	
Galveston	Mar. 6-May 28	9		
Goliad County	Dec. 1-Jan. 20	25		
Hidalgo County	Jan. 30-May 1	16		
Houston	Jan. 1-Mar. 27	9		
Laredo	Dec. 26-Mar. 19	6		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Monthalia	Oct. 1–Dec. 19			Present.
Oak Forest	Oct. 1–Dec. 19			Do.
San Antonio	Dec. 13–June 5	119	1	
San Augustine County	Jan. 5			Do.
Waco	May 21	4		Imported.
Total for State		522	4	
Utah:				
Beaver County	Feb. 1–28	2		
Carbon County	Feb. 1–28	1		
Cache County	Jan. 1–Apr. 30	77		
Davis County	Nov. 1–Apr. 30	40		
Emery County	Feb. 1–28	4		
Garfield County	Dec. 1–Apr. 30	48		
Millard County	Jan. 1–Mar. 31	9		
Salt Lake County	Dec. 1–Mar. 31	170		
Salt Lake City	Dec. 1–May 31	427	1	
Sanpete County	Dec. 1–Apr. 30	6		
Sevier County	Jan. 1–Mar. 31	88		
Summit County	Dec. 1–Apr. 30	33		
Tooele County	Apr. 1–30	3		
Utah County	Dec. 1–Apr. 30	5		
Weber County	Nov. 1–Feb. 28	26		
Total for State		939	1	
Vermont:				
Brattleboro	Dec. 5–Jan. 30	59		
Newfane	Jan. 11	8		And vicinity.
West Windsor Township	Jan. 23	2		
White River Junction	Jan. 4–Feb. 9	3		
Total for State		72		
Virginia:				
Caroline County	Mar. 9	1		Present in October, 1908.
Lithia	Mar. 1–Apr. 28	100		And vicinity.
Lynchburg	Jan. 10–30	3		Imported.
Norfolk	Feb. 5–17	3		On tug E. W. Marts.
Port Royal	Dec. 28–Jan. 14	3		
Portsmouth	Apr. 21–May 25	7	2	
Richmond	Mar. 14–June 5	8	1	Death in county hospital.
Total for State		125	3	
Washington:				
Bellingham	Jan. 25–Mar. 23	10		
Camas	Dec. 29–Mar. 8	18		
Colville Indian Reservation	Feb. 15–Apr. 6	118	3	
Seattle	Oct. 1–Mar. 31	30		
Spokane	Dec. 6–June 5	53	1	
Tacoma	Dec. 14–June 6	73		
Walla-Walla	June 5	1		
Total for State		303	4	
West Virginia:				
Charleston	Jan. 1–31	1		
Moundsville	Jan. 1–31			Present.
St. Albans	Feb. 16–Apr. 12	19		
Weston	Jan. 15–Feb. 13	1		
Wheeling	May 9–June 5	4		
Total for State		25		
Wisconsin:				
Adams County	July 1–Sept. 30	3		
Ashland County	Oct. 1–Dec. 31	4		
Barron County	July 1–Dec. 31	41		
Buffalo County	Oct. 1–Dec. 31	1		
Chippewa County	July 1–Dec. 31	28		
Columbia County	Oct. 1–31	18		
Dane County	July 1–Sept. 30	1		
Dodge County	July 1–Sept. 30	1		
Douglas County	July 1–Dec. 31	49		
Superior	Apr. 25–May 1	3		
Dunn County	July 1–Dec. 31	4		
Fond du Lac County	July 1–Dec. 31	6		
Green County	July 1–Dec. 31	4		
Iron County	July 1–Sept. 30	2		
Juneau County	Oct. 1–Dec. 31	2		
Kewaunee County	July 1–Sept. 30	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
La Crosse County—				
La Crosse	Dec. 13–June 5	51		
La Fayette County	Oct. 1–Dec. 31	1		
Manitowoc County	Oct. 1–Dec. 31	33		
Manitowoc	Dec. 13–Feb. 27	14		
Marathon County	July 1–Sept. 30	2		
Marinette County—				
Marinette	May 23–June 12	2		
Milwaukee County—				
Milwaukee	Dec. 6–May 29	199		
Monroe County	July 1–Sept. 30	12		
Outagamie County—				
Appleton	Mar. 6–Apr. 17	3		
Ozaukee County	July 1–Sept. 30	3		
Pierce County	July 1–Dec. 31	37		
Polk County	July 1–Dec. 31	4		
Racine County	Oct. 1–Dec. 31	1		
Racine	Mar. 21–Apr. 10	6		
Richland County	Oct. 1–Dec. 31	1		
Rusk County	July 1–Sept. 30	3		
Sheboygan County	July 1–Dec. 31	123		
St. Croix County	Oct. 1–Dec. 31	12		
Vernon County	Oct. 1–Dec. 31	6		
Total for State		681		
Grand total for the United States		12,656	58	

Weekly morbidity and mortality table, cities of the United States.

[For smallpox, see special table.]

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa	June 5	38,973	15	4				4		1		3			
Ann Arbor, Mich	do	14,509	9		1							9		3	
Appleton, Wis	do	15,085	3					2		1		4			
Ashtabula, Ohio	do	12,949	6					1		1					
Atchison, Kans	May 8	15,722	6							3	1				
Do	May 15	15,722	9	1	1			5	1						
Do	May 22	15,722	3			2		4							
Do	May 29	15,722	6					2							
Auburn, N. Y	do	30,345	6	1	2										
Do	June 5	30,345	9	1				1						11	
Baltimore, Md	do	508,957	185	18	28	12		6		14	2	87	3	15	
Bath, Me	do	10,477										10			
Bayonne, N. J	do	32,722						1		2		3			
Beaver Falls, Pa	do	13,000		1								2			
Berkeley, Cal	May 29	13,214	7		2			2		2		1		1	
Biddeford, Me	June 1	16,145	14												
Boston, Mass	June 5	560,892	178	47	15	4		32	1	47	3	82		11	2
Braddock, Pa	May 29	15,654	4	1	1	2		2		2					
Do	June 5	15,654	3		1	1		2		2					
Bradford, Pa	do	15,029	1					3				1			
Bridgeport, Conn	do	70,996	23		3		1	6		2		5	1		
Brockton, Mass	do	40,063	13	2	1			3		2		9		1	
Butler, Pa	May 19	10,853	6		1										
Do	May 26	10,853	3	1				1							
Do	June 2	10,853	8												
Butte, Mont	June 3	30,470	11			1		7	1			3			
Cambridge, Mass	June 5	91,886	35	8	9			3		4	1	20		5	
Camden, N. J	do	75,935	31	1	1			5		4	2				
Carbondale, Pa	do	13,536	3							2		2			
Charlotte, N. C	June 4	18,091	7			3						3	1		
Chelsea, Mass	June 5	34,072	7					1		1		3			
Chicago, Ill	do	1,698,575	573	68	87	21	3	104	4	68	7	476	6	51	3

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Chicopee, Mass	June 5	19,167	7	2						1		1			
Cincinnati, Ohio	June 4	325,902	102	14	10	1	1	3		7		13		5	
Cleveland, Ohio	do	381,768	123	19	14	2	4	10		10		162	1	11	
Clinton, Mass	June 5	13,667	1							2					
Columbus, Ga	do	17,614	12		1										
Columbus, Ohio	do	125,560	61	7	3	3		1				23			
Concord, N. H	May 29	19,632	9	1	1			7				38			
Council Bluffs, Iowa	June 7	25,802	7							1		1			
Covington, Ky	June 5	42,938	12		4	1				1		1			
Danville, Ill	June 6	16,534	4					1		1		1			
Davenport, Iowa	do	35,254						2		1		1			
Dayton, Ohio	June 5	85,333	33		2		1	1		2		44	1		
Detroit, Mich.[a]	May 5	285,704	145					10	2	9	2				
Do	May 29	285,704	139					10		10	2				
Duluth, Minn	June 4	80,000	28	3	3		1	50	1	7	1	20	1		
El Paso, Tex	June 1	15,905	26	3	6			7	3						
Do	June 8	15,905	16	2	3							7			
Elkhart, Ind	June 5	15,184	3					1							
Evansville, Ind	do	59,007	25	1	2	4	1			3	1	2			
Everett, Mass	do	24,336	11	2	2	2		3		1	1	2			
Fall River, Mass	do	104,863	35	13	4	2	3	5		4		2		1	
Findlay, Ohio	do	17,613	6												
Fort Wayne, Ind	May 29	45,115	16	2	2			1		1		8			
Do	June 5	45,115	10	2	2			2		2		10			
Galesburg, Ill	do	18,607	6					1		7					
Galveston, Tex	June 4	37,789	10		2					1					
Gloucester, Mass	June 5	26,121	3												
Grand Rapids, Mich	do	87,565	25	4	2	1		13		1		1		2	
Greensboro, N. C	do	10,035	13		2		1								
Greenville, S. C	May 29	11,860	1									2			
Do	June 5	11,860	2					1							
Harrison, N. J	do	10,596	3	1											
Hartford, Conn	May 30	79,850	22	4	1	3		5		5		2			
Do	June 6	79,850	26	1	3			3		3					
Haverhill, Mass	June 5	37,175	6	4	1	1		2		4	1	17			
Hoboken, N. J	do	59,364						4	1	3		3			
Homestead, Pa	May 28	12,554	8	10		1						10			
Hyde Park, Mass	June 5	13,244	3							2		1		2	
Indianapolis, Ind	June 6	169,164	44		4	2		9				71			
Jacksonville, Fla	do	28,429	17		2	2									
Jersey City, N. J	do	206,433	68	1				20	5	9	1	11			
Johnstown, Pa	June 5	35,936	18		3	1		15		2		20		8	
Kalamazoo, Mich	do	24,404	18	2								44		7	
Kansas City, Kans	do	51,418	15					2				13			
Kansas City, Mo	do	163,752	58		5	2		14	1	8	1	26		5	
Kearny, N. J	do	10,896	4					4	1						
Knoxville, Tenn	do	32,637	26	4	4	1	1			1		7			
La Crosse, Wis	do	28,895	11		1										
La Fayette, Ind	June 7	18,116	3		1							1			
Lancaster, Pa	June 5	41,459	8	40		1		6		3		18			
Lawrence, Mass	do	62,559	25	2	8	9	1			4	2	40			
Lebanon, Pa	do	17,628			1	1		1		1		1			
Lexington, Ky	do	26,369	3		2			2							
Los Angeles, Cal	May 29	102,479	76	9	11	1		11		4		5			
Lowell, Mass	June 5	94,969	40	1	3	3		2		4		7			
Lynn, Mass	May 29	68,513	22			1		9		4		2			4
Do	June 5	68,513			2	2	2	5		4	1				
Macon, Ga	June 6	22,746	5	1	1										
Manchester, N. H	June 5	56,987	29	3	3			3		1		12			
Marinette, Wis	May 29	16,195	4					1							
Do	June 5	16,195	5	2	2			8							
Marlboro, Mass	May 29	13,609	5												
Do	June 5	13,609	4												
Medford, Mass	do	18,244	9		1					2		1			
Melrose, Mass	May 29	12,962	8	1								3			
Do	June 5	12,962	2							1		1			
Milwaukee, Wis	May 29	285,315	103	14	3	13	2	23	11	18	3	65			
Do	June 5	285,315	92	11	7	10	2	22	5	12	1	71	5	3	
Montclair, N. J	do	13,962	4	2	1			2							
Montgomery, Ala	June 4	30,346	17		2										
Moline, Ill	June 6	17,248	7					4							

[a] Reported out of date.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Morristown, N. J	May 29	13,000	4									5			
Do	June 5	13,000	2	1	1							12			
Mount Vernon, N. Y	do	21,228	4												
Muncie, Ind	do	20,942	2					2						2	
Nanticoke, Pa	June 6	12,616	3	2								20			
Nashville, Tenn	June 5	80,865	50	7	4	3									
Nebraska City, Nebr	May 29	7,200										15			
Do	June 5	7,200	3									12			
Newark, N. J	do	246,070	105		24	3	2	37	2	22	1				
New Bedford, Mass	do	63,442	25	4	3	2		5				7			1
Newburyport, Mass	do	14,478	5												
New Orleans, La	do	278,104	127	20	16	9		36	1	7	1	2			
Newport, Ky	May 30	28,301	4							1					
Do	June 6	28,301	13		1										
Newton, Mass	June 5	33,587	8	1				2		2		35			
New York, N. Y	do	3,437,202	1,405	400	193	44	7	274	19	371	30	1,458	30	66	10
Niagara Falls, N. Y	do	19,457	7		1	3	1	3		1		4			
Norristown, Pa	May 22	22,265	11	1	3							6			
Do	May 29	22,265	8	1	1		1	1		1		1			
Do	June 5	22,265	5	2	1							7	1		
North Adams, Mass	do	24,200	7					1				1			
Northampton, Mass	do	18,643	3									2			
Oakland, Cal	May 31	66,960	30	2	4			4	1	2		4			
Orange, N. J	June 5	24,141	5	2	2			6				2			
Paducah, Ky	May 30	19,446	6	3	1										
Do	June 5	19,446	3	4	1							1			
Peekskill, N. Y	do	10,358	6							1		12			
Philadelphia, Pa	May 29	1,293,697	442	91	70	43	8	53	3	70	10	232	10	25	3
Do	June 5	1,293,697	437	98	69	40	7	52	2	68	10	234	5	37	3
Pittsburg, Pa	do	321,616	159	29	11	8	1	16		51	2	13	1	34	7
Pittsfield, Mass	do	21,766	9									3			
Plainfield, N. J	do	15,369	8			1		1		1					
Plymouth, Pa	do	13,649										1			
Portsmouth, Va	June 8	17,427	13			1		1							
Pottstown, Pa	June 5	13,696	5							1		2			
Providence, R. I	do	175,597	45	1	8			5		9		13	1		
Racine, Wis	June 4	29,102	5	1	1										
Reading, Pa	June 7	78,961	22	1	4	4		1		4	1	6		1	
Richmond, Va	May 29	85,050	49	2	3	2									
Do	June 5	85,050	52	7	4	9		1		1				2	
Rockford, Ill	do	31,051								3					
Rock Island, Ill	do	19,493	6							1					
Sacramento, Cal	May 29	29,282	19		3					1		11			
Do	June 5	29,282	10		1					1		3			
St. Joseph, Mo	May 15	102,979	15		1	1		1		1		5			
Do	May 22	102,979	20		2			6				2			
Do	May 29	102,979	12		2			2				10			
St. Louis, Mo	June 5	575,238	174	42	17	4		27	2	17	1	318	4	6	
Salem, Mass	do	35,956	10	1	2							1			
San Antonio, Tex	do	53,321				1				1					
San Francisco, Cal	May 29	342,782	116	20	10	2		10		15	2	45		18	
Schenectady, N. Y	June 5	31,682	14	1	3			1		1		1			
Somerville, Mass	do	61,643	20	2	2			9		4	1	20			
South Bend, Ind	do	35,999		10	2	2		4		1		1			
South Bethlehem, Pa.[a]	do	13,241	2									15		1	
Spokane, Wash	May 29	38,848	26	1	1	1		34		6		19			
Springfield, Mass	June 5	62,059	27	1	4			3	1	8	1	12			
Springfield, Ohio	do	38,253	5	4	1										
Steelton, Pa	do	12,068	2		1			1				9			
Superior, Wis	do	31,091	7					8		1					
Tacoma, Wash	May 30	37,714	13		2			3		3		7			
Taunton, Mass	June 5	31,036	12	1	2	1		2				15			
Terre Haute, Ind	do	36,673	19		2			1							
Titusville, Pa	do	8,244	1			1				1					
Trenton, N. J	do	73,307		1		11		7		1					
Walla Walla, Wash	do	10,049	4												
Waltham, Mass	do	23,481	6	1	2			2		1		8		1	
Warren, Pa	May 31	8,043	4	2	1							2			
Washington, D. C	June 5	278,718	107	20	10	14	1	12		6	1	21	1	16	2
Weymouth, Mass	do	11,324	4									2			
Wheeling, W. Va	do	38,878	10	2	1	2	1			2		7			

[a] Report covers 4 days.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population United States census, 1900.	Total deaths from all causes.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Wilkes-Barre, Pa.	June 4	51,721	18	1	1			3		3		30			
Wilkinsburg, Pa.	June 7	13,000	3					2							
Williamsport, Pa.	May 29	28,757	2			1		2				3			
Do	June 5	28,757	7					9							
Wilmington, Del.	do	76,508	30		4										
Winona, Minn.	June 8	19,714	9												
Woburn, Mass.	June 5	14,254	2		1										
Yonkers, N. Y.	May 20	47,931	16		2			17		3	1	7			
Do	May 27	47,931	25		4			20		4		14			
Do	June 3	47,931	16					12		4		4			
York, Pa.	June 5	33,708		1		2		2				2			
Zanesville, Ohio	do	23,538	10			3				2					

FOREIGN AND INSULAR.

AUSTRALIA.

Examination of rats for plague infection in Queensland—Plague rat found at Mackay.

The following information is taken from plague bulletins issued by the department of health of Queensland:

Brisbane.—Week ended April 17. Number of rodents destroyed, 462; examined, 366; found infected, 0. Week ended April 24. Number of rodents destroyed, 725; examined, 317; found infected, 0. Week ended May 1. Number of rodents destroyed, 795; examined, 627; found infected, 0.

Date of finding of last plague-infected rat September, 15, 1909.

Mackay.—One plague-infected rat found April 15, 1909.

BARBADOS.

Reports from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever in the island—Sanitary conditions.

Acting Assistant Surgeon Urquhart reports, May 22 and 28:

Week ended May 22. Bills of health issued to 7 vessels, of which number 3 were fumigated Thirty-eight passengers and 242 members of crews were inspected.

One case of yellow fever has been reported since May 15. This case is in the interior, in St. Joseph's parish, about 14 miles north of this port, and is a negro. The locality of the case is in the part of the island where by far the largest number of cases have occurred since the outbreak in December, 1908. The health and sanitary conditions of this port are very good. The sanitary regulations passed since the present outbreak of fever have been stringently enforced.

Week ended May 29. Bills of health were issued to 9 vessels. Two vessels were fumigated. Twenty passengers and 336 members of crews were inspected.

Two new cases of yellow fever were reported during the week, both being in St. Joseph's parish, about 15 miles northeast of this port, where so many of the cases have occurred during the present outbreak. Both cases were negroes.

No case of yellow fever has occurred at this port since March 19.

BRAZIL.

Reports from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—History of case of yellow fever previously reported—Smallpox epidemic in Chilean coast cities.

Acting Assistant Surgeon Stewart reports, May 10 and 20:

Two weeks ended May 8. Vessels inspected and received bills of health: April 29, the British steamship *Torrhead*, in water ballast for Tampa, Fla., with no passengers and no change in the crew personnel; April 30, the British steamship *Celtic Princess*, for New York, with coffee cargo, no passengers, and no change in the crew personnel; May 1, the British steamship *Tennyson*, for New York, with cargo of coffee, 25 cabin, and 36 steerage passengers, and no change in the personnel of the crew; May 4, the British steamship *Hillglade*, for some southern port via West Indies for disinfection and final orders, in water ballast, with no passengers and no change in the crew personnel; on the same date the British steamship *Desterro*, for New York, in cargo of coffee, with 7 cabin and 28 steerage passengers, and with no change in the personnel of the crew; May 7, the British steamship *Tapajos*, for New Orleans and New York, with coffee cargo, with no passengers and with no change in the crew personnel, and on the same date the British steamship *Raymore Head*, for some southern port via the West Indies for disinfection and final orders, in water ballast, with no passengers and 1 new member of the crew signed on in this port. No other vessel left this port during the period under report for United States ports.

Week ended May 15. Vessel inspected and received bill of health: May 10, the British steamship *Cavour* for New York, with cargo of coffee, no passengers, and no change in the crew.

No other vessel left this port for the United States during the period under report.

Mortality in Rio de Janeiro—Plague and smallpox.

Week ended May 2, 1909. Total estimated population, 811,443. Total deaths, 236. No deaths nor cases due to yellow fever or plague. Smallpox caused 3 deaths with 4 new reported cases. At the close of the week there were in the hospital São Sebastião, 1 case of yellow fever, carried forward from the previous week, 24 cases of smallpox, and 1 of plague under treatment.

Week ended May 9. Total deaths, 278. Smallpox caused 2 deaths. There were no cases of yellow fever reported. There were twelve new cases of smallpox reported, and 1 case of plague. At the close of the week there were in the hospital São Sebastião 29 cases of smallpox and 1 case of plague under treatment.

Week ended May 16. Total deaths, 245. No deaths nor cases reported due to either yellow fever or bubonic plague. Smallpox caused 6 deaths with 18 new reported cases. At the close of the week there were in the hospital São Sebastião 18 cases of smallpox under treatment, and 1 case of plague.

The case of yellow fever reported for the week ended May 2 as remaining in hospital (see Public Health Reports, May 28, 1909, p. 741) was in the person of a man who had been a resident of this

city for 4 months; nationality, Portuguese. The source of the infection has not been discovered.

Smallpox in Chilean coast cities.—Under date of April 28 the press reports that the minister of the interior of Chile has issued a call for all the physicians of the large cities of Chile for the purpose of discussing the best means of combating the rapid spread of smallpox in Santiago and other coast cities. A dispatch of May 9 states that the first result of this congress is the order closing all schools, public and private, in the country.

CANADA.

Report from St. John, New Brunswick—Legislation relative to combat against tuberculosis.

Consul Willrich reports May 4:

A bill has lately been enacted creating a commission to consider the best means of checking the spread of tuberculosis. The work of the commission will be first to inaugurate a vigorous campaign of education among the people, and subsequently to take such steps as may be found most conducive to checking the spread of the disease. The commission will be expected to see that proper municipal regulations are enacted and enforced to bring home to the people the dangerous nature of the spitting habit. To this end, the executive of the New Brunswick Association for the Prevention of Tuberculosis will first direct attention to perfecting organizations throughout the province by appointing vice-presidents in each county, who in their turn are expected to organize county associations. In other words, the provincial body is to be educational and advisory and the county organizations are to carry on the actual fight against the disease. There will be an annual meeting of these bodies, at which the progress made will be reported and plans for the continuous work mapped out. The New Brunswick association will also carry on its work in conjunction with the Canadian association, now active in the same cause.

It is generally realized in New Brunswick and the Dominion at large that the most energetic measures are required to combat the ravages of tuberculosis. According to estimates, in St. John alone over 100 persons and in this Province over 600 persons annually succumb to this disease, causing a loss, on the accepted basis of the economic value of a human life, of over $600,000 per annum to this Province.

[Inclosure.]

AN ACT To assist in the prevention and cure of tuberculosis.

Whereas until a comparatively recent date tuberculosis, or consumption, as it is commonly called, was regarded as generally hereditary and incurable, but that modern discoveries have established that it is a communicable disease and to a large extent curable as well as preventable, and that since such discoveries a movement has been made in civilized countries with the view of adopting the best measures for suppressing the said disease;

And whereas, to show the widespread and fatal nature of this disease it is estimated upon the best authority available that there are in the Dominion of Canada consumptive invalids numbering at least 40,000 persons, of whom over 8,000 die annually, and aside from the humanitarian considerations involved in the question, the financial loss alone entailed upon Canada by such a large annual mortality is estimated at over $8,000,000, and there is reason to believe that in respect to the ravages of this dread

scourge our own province suffers equally with the other provinces of the Dominion according to population;

And whereas, in view of the foregoing facts it would seem to be the duty of the province to assist in the movement now being made to lessen the widespread suffering and great mortality among the people caused by the various forms of tuberculosis, and to do so intelligently the government should be possessed of reliable and accurate information upon the subject;

Be it therefore enacted by the lieutenant-governor and legislative assembly as follows:

1. The lieutenant-governor in council is hereby empowered to appoint a commission to consist of not more than seven persons, who shall serve without remuneration, other than the payment of actual expenses, to inquire into and report upon the best methods to be adopted to prevent and cure tuberculosis, commonly called "consumption," in this province.

2. The said commission shall embody the result of its investigations, together with such recommendations as it may be pleased to make in the matter, in a report in writing and present the same to the lieutenant-governor in council.

3. The lieutenant-governor in council, upon the receipt of the report of the said commission, is hereby empowered to authorize the expenditure of a sum not exceeding $15,000 for the purpose of defraying the expenses and carrying into effect the recommendations of the said commission, if deemed advisable, or in taking such measures for the prevention and cure of tuberculosis in this province as seems best calculated to effect that object.

4. The lieutenant-governor in council is hereby authorized to raise the moneys necessary to meet such expenditure by way of loan, and the provisions of "An act respecting the raising of loans authorized by the legislature" shall apply in respect thereto.

CHINA.

Report from Amoy—Inspection of vessels—Increase of plague—Leprosy—Plague at Am Phau.

Passed Assistant Surgeon Foster reports, May 5:

During the week ended May 1, bills of health were issued to 2 steamships. April 27, the British steamship *Sungkiang* with 62 in the crew, and 56 cabin passengers for Cebu and Iloilo was granted a supplemental bill of health. Four Chinese passengers were rejected for trachoma. May 1, the British steamship *Loongsang* with 55 in the crew, 58 cabin and 58 steerage passengers for Manila, was granted a supplemental bill of health. One steerage passenger was rejected for trachoma.

Leprosy and plague are present in the port of Amoy. With the advent of hot weather there has been a marked increase in plague. During the period April 15 to 30 the number of cases of plague was estimated to be 250, with a mortality of 50.

In the village of Am Phau adjacent to the city of Amoy there were 5 cases of plague with 3 deaths during the week ended May 1.

Reports from Shanghai—Inspection of vessels—Plague in rats—Smallpox and typhus fever at Tientsin—Relapsing fever at Hankau.

Acting Assistant Surgeon Ransom reports, May 8 and 11:

Week ended May 1. One original and one supplemental bill of health were issued to 2 steamships having an aggregate personnel of 341. There were inspected 1 vessel with 74 members of crew and 2 cabin passengers and 1 steerage passenger. There were disinfected 114 pieces of personal baggage belonging to the crew. Sixty-five Asiatics were bathed. The forecastle of 1 vessel was thoroughly cleansed. Manifests were viséed for 2,690 pieces of freight.

Reports from Tientsin for the period ended April 17 show 1 death from typhus fever, the British concession only reporting.

Reports from Hankau for the week ended April 24 state that relapsing fever is present among coolies in that city.

Week ended May 8. One original and 2 supplemental bills of health granted to 3 steamships having an aggregate personnel of 1,090. There were inspected 2 vessels, 180 members of crews, and 7 steerage passengers, and there were bathed 60 members of crews. Their effects, numbering 189 pieces of baggage, were disinfected by steam. There were also disinfected by steam and formalin 4 pieces of personal effects shipped as freight. The forecastle of 1 vessel was rendered mechanically clean.

The last report shows that 345 rats found dead were examined at the laboratory, of which 4 were found to be infected. One infected rat was found in the eastern and 3 infected rats were found in the northern district of the settlement. The rats caught numbered 899 and the traps in operation 4,670. The rats caught in traps were destroyed without being examined for plague. No houses were ratproofed and no persons were inoculated against plague during the period.

Reports from Tientsin for the period ended April 24 show 7 cases of smallpox. The reports were from the British, French, and Japanese concessions.

Reports from Hankau for the period ended May 1 show relapsing fever among coolies.

CUBA.

Report from Cienfuegos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Suarez reports, May 31:

Week ended May 29.

Vessels inspected	8
Bills of health issued	8
Members of crews inspected	291

The sanitary condition of the city and port is satisfactory. No quarantinable disease has been reported.

Reports from Habana—Inspection of vessels—Few Stegomyia present—Work of mosquito brigade.

Passed Assistant Surgeon Amesse reports, June 2 and 8:

Week ended May 29.

Bills of health issued	27
Vessels inspected	19
Members of crews of outgoing vessels inspected	1,204
Passengers of outgoing vessels inspected	997
Vaccination certificates issued	22

Breeding places of mosquitoes are more numerous, the wet season being now established. *Stegomyia* are scarce.

Week ended June 5.

Bills of health issued	25
Vessels inspected	23
Members of crews of outgoing vessels inspected	989
Passengers of outgoing vessels inspected	705

For the week ended May 29 the mosquito brigade reports 20,000 house inspections; 72 deposits contained larvæ, of which 24 were collections of *Stegomyia*.

The weather continues unusually warm, with heavy rains in the interior.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, June 8:

Week ended June 5. Three bills of health were granted to vessels clearing for United States ports in good sanitary condition.

No quarantinable diseases were reported.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, June 2:

Week ended May 29. Bills of health issued to 4 vessels bound for the United States. No vessel was fumigated. No quarantinable disease has been reported. Cases of infectious diseases reported during the week were tuberculosis, 2. Three cases of leprosy, previously reported, are still present.

GREAT BRITAIN.

Report from Hull—Plague among dock rats in February and March, 1909.

The following report by the medical officer of health of Hull, on plague in rats, dated April 14, is forwarded by Consul Ham under date of May 22:

On February 25 a representative of the North Eastern Railway and Dock Company reported that a number of dead rats had been discovered in a shed at the Albert dock.

An immediate investigation was made, resulting in the finding of 29 rats, recently dead, behind a number of bags containing maize, which had been landed per lighter from the steamship *Mikado*, which arrived at Hull from Odessa October 23, 1908, and which was medically inspected, the crew being found all well. The vessel's bill of health, dated October 3, 1908, stated that in Odessa and immediate neighborhood 20 cases of cholera had been established up to that date, 16 of which had died. It was further ascertained that a cat had been found dead in the shed referred to about two months previously, and since that discovery, and prior to February 25, about 20 dead rats had been discovered, 1 or 2 at a time. The cat had been thrown into the River Humber.

In all, 87 rats were found dead, or trapped alive.

The 29 rats collected February 25 were carefully packed, with due precautions, in properly sealed tin boxes and conveyed to the sanatorium for bacteriological examination.

The examination confirmed the suspicions entertained, as did also a subsequent examination of the rats forwarded on February 26 and 27.

The report of bacteriological examination showed that the rats exhibited no external signs of decomposition and had live fleas on them. The glands were not palpable externally, but on dissection the inguinal and axillary glands were found somewhat enlarged, but not showing any hemorrhage. In each case the spleen was much enlarged. The liver and other organs also showed signs of congestion.

Smears from the spleen and glands showed bacilli resembling *Bacillus pestis*. Cultures on blood serum were made, from which bacilli presenting all the characteristics—microscopical, staining, and cultural—of *Bacillus pestis* were obtained.

Examination of rats found March 2, 3, and 12 gave similar results.

The names and addresses of the men engaged in the warehouse were taken, and a daily medical inspection of such persons, extending over a period of three weeks, was carried out, and only the same men, as far as practicable, were employed in the infected shed and adjacent sheds during that period.

A rat catcher was employed to lay traps for the rats.

In addition to the maize, the infected warehouse contained a quantity of pease, onions, and apples in barrels, cases, and hampers, the apples contained in the cases being the articles mostly attacked by the rats. The maize and pease in the bags damaged by rats were screened and rebagged. One hundred empty bags were removed to the disinfecting station and disinfected, and 14 old and damaged bags, together with a quantity of maize, apples, and onions, were destroyed. Special precautions were observed in handling the rats dealt with, iron tongs being used for the purpose. The bodies were dipped in a 20 per cent solution of carbolic acid and afterwards cremated.

The warehouse was subjected to thorough disinfection, all refuse being sprayed with disinfectants, swept up, and destroyed, and the walls and floors sprayed with a 5 per cent solution of carbolic acid.

A circular letter has from time to time been issued to shipowners, warehousemen and others concerned, pointing out that in all the infected towns in India manifestations of contagion from rats to men have been observed, and that the first cases of plague sometimes occurred in warehouses where wheat, cottonseed, or other substances likely to attract rats are stored, and urging that every precaution should be taken for the destruction of rats with a view of preventing the possible spread of disease by the provision of disks and the tarring of mooring ropes while vessels are in port. A list giving the infected and suspicious ports is also periodically circulated, which gives instructions that all persons on board vessels arriving from such districts must be medically examined before being permitted to land.

No increased mortality and no suspicious deaths amongst rats have been observed at the other docks in port.

From December, 1908, to the end of February, 1909, 6 vessels from suspicious and plague-infected districts—namely, Alexandria and Karachi—had discharged cargo on the south side of the dock, where the infected shed is situated.

All vessels arriving from plague and cholera infected ports are medically inspected on arrival, and special inquiries are made as to the discovery of dead rats on board such vessels, but nothing to

excite suspicion has been reported. No doubtful cases of illness amongst any of the crews or passengers have been discovered.

In connection with the outbreak it is interesting to note that in a former outbreak of plague in Hull, in January, 1901, on the arrival of the steamship *Friary*, from Alexandria, at which port at that time plague was stated not to exist, a stray cat went on board the vessel at Alexandria, evidently sick and ailing. It mixed freely amongst the firemen and sailors, who were those afterwards attacked by plague. The cat was thrown overboard previous to the vessel's arrival in port. Nine members of the crew died from plague.

NOTE.—Plague on steamship *Friary* was reported in Public Health Reports, year 1901, pages 167, 264, 270, 321, 323, 370, 975.

Report from Liverpool—Disinfection of steamship Lanfranc on account of yellow fever en route.

The following is received from the Department of State, under date of June 14:

Consul at Liverpool reports, June 13, that the steamship *Lanfranc* arrived at Liverpool June 3, without any sickness on board, and with no developments on board since 4 deaths occurred from yellow fever prior to the arrival of the vessel at Lisbon. The vessel was disinfected several times during the voyage, but was not quarantined at Liverpool. Officially disinfected and given clean bill of health by port authorities. Sails June 15 for Manaos, Brazil.

NOTE.—The steamship *Lanfranc* left Para, Brazil, May 18, for Liverpool via Lisbon. (See report from Lisbon, p. 883.)

GUATEMALA.

Report from Puerto Barrios, fruit port—Stegomyia not numerous.

Acting Assistant Surgeon Ames reports:

Week ended May 29. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, very good. Few *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 25	Chancellor	Mobile	39	0	0
25	Maria Herrera	Habana	64	4	0
26	Belize	Mobile	18	0	0
27	H. T. Inge	New Orleans	33	5	13

Baggage fumigated on board. Temperature taken of all persons.

Report from Guatemala City—Recurrence of smallpox.

Consul Kent reports, May 29:

There are 6 new cases of smallpox in the lazaretto. Smallpox was declared extinct April 25, and the smallpox hospital closed.

(See Public Health Reports, May 28, 1909, p. 746.)

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie reports, May 24, through Chief Quarantine Officer Hobdy:

HONOLULU.

Week ended May 22.

Total rats taken	590
Trapped	590
Found dead	0
Examined bacteriologically	487
Plague infected	0
Classification of rats trapped:	
Mus alexandrinus	88
Mus musculus	259
Mus norvegicus	145
Mus rattus	98
Average number of traps set daily	1,474
Rats from Hilo referred to this laboratory for bacteriological diagnosis	0
Rats from Hilo still under investigation	0
Rats from Hilo proved to be plague infected during week	0

HONDURAS.

Reports from Ceiba, fruit port—Stegomyia present—No improvement in method of sanitary work.

Acting Assistant Surgeon Jumel reports:

Week ended June 2. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good. *Stegomyia calopus* present. Lax methods in applied sanitary work continue.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 27	Concord	4	0	0	0
27	Navigator	19	1	0	0
29	Bluefields	23	1	0	0
30	Harald	20	0	0	0
30	Rosina	33	5	0	0
June 2	Schooner Carib II	7	0	3	0

Temperature of all persons on above-named vessels, sailing vessels excepted, taken at time of clearance.

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 29. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 26	Bluefields	New Orleans	23	0	0
26	Harald	Mobile	20	0	0

INDIA.

Report from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in Bengal.

Acting Assistant Surgeon Allan reports May 13:

During the week ended May 8 bill of health was issued to the steamship *Gutenfels*, bound for Philadelphia and New York with a total crew of 70, and to the steamship *Bloemfontein*, bound for Boston and New York with a total crew of 63. The usual precautions were taken—the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

During the week ended May 1 there were 105 deaths from cholera, 127 from plague, and 100 from smallpox in Calcutta.

In Bengal during the same week there were 268 cases of plague, with 212 deaths.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, May 24:

Vessels inspected at Naples and Palermo, week ended May 22

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 18	Principe di Piemonte	New York	363	40	580
19	Belle of Scotland	Norfolk			
19	Germania	New York	902	120	1,200
19	Finland	do	1,138	180	1,550
20	Campania	do	749	30	520
21	Neckar	do	1,026	130	1,350
21	America	do	1,291	180	1,520
22	Moltke	do	852	150	1,100
	Total		6,321	830	7,820

PALERMO.

May 19	Principe di Piemonte	New York	244	290	90

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 18	Principe di Piemonte	13	.....	6	.....	2	21
19	Belle of Scotland	.....	.....	.....	.....	.....	.....
19	Germania	20	1	7	1	9	38
19	Finland	35	3	18	1	14	71
20	Campania	5	2	1	1	1	10
21	Neckar	17	6	16	.....	7	46
21	America	38	4	26	.....	7	75
22	Moltke	32	2	11	.....	8	53
	Total	160	18	85	3	48	314

PALERMO.

May 19	Principe di Piemonte	10	.....	10	.....	.....	20

Smallpox in Naples.—During the week ended May 23, 14 cases of smallpox with 3 deaths reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended May 23: Cases: Binasco (Milan) 2; Novara 1; Prato (Florence) 1; Ospitaletto (Avellino) 1; Caserta 8; Venosa (Polenza) 2.

JAPAN.

Report from Yokohama—Emigrants recommended for rejection.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Minnesota*, May 21, for Seattle, recommended for rejection 1; held for observation 6. Per steamship *China*, May 22: For Honolulu, rejected 1; held for observation 2. For San Francisco, held for observation 1. Rejections and detentions were for trachoma.

Report from Kobe—Inspection of vessels—Examination of emigrants.

Acting Assistant Surgeon Knight reports, May 18:

During the week ended May 15, supplemental bill of health was granted to 1 steamship; 492 steerage passengers were inspected; 29 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 67 and of bedding 59. Manifests were viséed for 22,629 pieces of freight, amounting to 1,895 tons.

Emigrants were examined as follows: Steamship *Siberia*, for Honolulu, passed 27; recommended for rejection 19; steamship *Siberia* for San Francisco, passed 2, recommended for rejection 4.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, June 3:

During the week ended June 2, 4 steamships were inspected.

Report from Mexico City—Yellow fever at Merida.

The following information is received from the acting president of the Superior Board of Health of Mexico, under date of June 7:

Week ended June 5. Two cases of yellow fever were registered at Merida on May 30 and June 2, respectively. The prophylactic measures previously reported are carried out.

Report from Progreso—Inspection and fumigation of vessels—Sanitary conditions—Yellow fever case at Merida.

Acting Assistant Surgeon Harrison reports, May 29:

Period from May 15 to May 29.

Vessels inspected	8
Members of crews	301
Vessels fumigated, included above	5
Passengers from this port for United States	30

Sanitary conditions have been fair, and no quarantinable disease has appeared in Progreso. Drinking water is scarce, no rain of any amount having fallen since April 13. Mosquitoes are not conspicuous. In Merida there was one case of confirmed yellow fever imported from an interior town and isolated in lazaretto of Merida. This case has been discharged.

(See Public Health Reports, June 4, 1909, p. 791.)

Report from Salina Cruz—Fumigation of vessel.

Acting Assistant Surgeon Gochicoa reports, May 31:

During the week ended May 29 one steamship, bound for San Diego, Cal., was fumigated.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions—Few mosquitoes.

Acting Assistant Surgeon Stowe reports, June 3:

Week ended June 2.

Vessels inspected and passed	2
Bills of health issued	2
Members of crews of outgoing vessels inspected	46
Passengers of outgoing vessels inspected	2
Vessels fumigated	0

No cases of quarantinable disease occurred during this period.

The hot, dry weather of the past 4 months continues. There are very few mosquitoes.

This port is free from smallpox, although the disease is reported to be still prevalent in the surrounding country.

Report from Veracruz—Inspection and fumigation of vessels—Smallpox case, imported—Antimosquito work—Quarantine against Mexican coast towns.

Acting Assistant Surgeon Carter reports, May 31:

Week ended May 30.

Bills of health issued	9
Vessels inspected	3
Vessels fumigated	6
Members of crews inspected	403
Passengers inspected	184

No sickness occurred on board these vessels while in the harbor, except one case of malarial fever (intermittent) on steamship *City of Mexico* from Galveston. No contagious diseases were reported for the week, except one new case of smallpox, imported from Yucatan. This case was imported on a steamship, was promptly isolated in the pest house, and died the next day. This case makes 2 cases for the month of May, with 1 death. No new cases have been reported. No cases of yellow fever have been reported. Antimosquito work is still being carried on with fair regularity. Veracruz is maintaining a quarantine against Mexican coast towns, especially Laguna, Laguna de Terminos, and localities on the coast of Yucatan.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Typhus fever imported from interior into Callao and Lima—Plague in Chilean ports.

Acting Assistant Surgeon Gutierrez reports, May 24:

Two weeks ended May 8. During the week ended May 1, 1 steamship was fumigated. She carried an aggregate personnel of 84 members of crew, and 63 cabin and 7 steerage passengers. During the week ended May 8, 3 vessels were fumigated. They carried an aggregate personnel of 152 in the crew, and 77 cabin and 43 steerage passengers.

The following is the latest report received from the Director de Salubridad Pública:

Locality.	Cases, Apr. 16.	New.	Recovered.	Died.	Remaining May 6.
Department of Lima	17	18	15	6	14
Department of Callao	4	4	3	2	3
Department of Libertad	24	2	16	1	9
Department of Lambayeque	27	13	5	8	27
Department of Arequipa	2	3	0	1	4
Department of Cajamarca	18	17	17	14	4

From May 1 to 21, 3 cases of plague occurred at Callao; no cases of smallpox. Several cases of typhus fever have come down from the interior to Callao and Lima.

Bills of health report plague in Chile as follows: Iquique, May 8, 20 cases isolated in the lazaretto, and 14 cases with 6 deaths in the past 2 weeks. Antofagasta, May 1, 5 cases isolated in the lazaretto; Arica, May 13, several cases.

PORTO RICO.

Report from Ponce—Transactions of service, month of May, 1909.

Acting Assistant Surgeon Ferrer-Torres reports, June 1, through Chief Quarantine Officer Grubbs:

Month of May, 1909.

Vessels inspected	14
Disinfected	1
In quarantine	2
Passengers inspected:	
Incoming	119
In transit	1,031
Immigrants inspected	30
Rejections	0
Members of crews inspected	738
Bills of health issued	30
Passengers detained in quarantine	0

PORTUGAL.

Report from Lisbon—Quarantine of passenger from steamship Lanfranc.

The following is received from the consul-general at Lisbon, through the Department of State, under date of June 14:

Passenger from steamship *Lanfranc* quarantined promptly on other side of the Tagus. Is now convalescent.

(See report from Liverpool, p. 877.)

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Examination of emigrants.

Acting Assistant Surgeon De Forest reports, May 28:

Four cases of cholera occurred at St. Petersburg during the week ended May 27; no deaths. There have been no new cases or deaths during the past 5 days.

Three hundred and thirty-four emigrants have been examined for the next steamship which sails June 5. No cases of quarantinable disease were found among them.

ST. LUCIA ISLAND.

Reports from Castries—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Maylie reports, May 10, 17, 25, and 31:

Week ended May 8. Four vessels inspected. Of this number 3 were fumigated.

Week ended May 15. One vessel inspected and fumigated.

Week ended May 22. Two vessels inspected; 1 vessel fumigated.

Week ended May 29. Three vessels inspected.

Sanitary condition of this port and vicinity good.

No quarantinable diseases were reported.

SIAM.

Report from Bangkok—City declared free from smallpox.

Vice Consul-General Hansen reports, April 28:

The minister of foreign affairs forwards, under date of April 26, a statement from the medical officer of health of Bankok declaring the city free from smallpox.

VENEZUELA.

Reports from Caracas—Status of plague.

The following is received from the Department of State, under date of June 10:

A telegram, dated June 9, has been received from the American minister at Caracas, reporting as follows:

"Two additional cases of plague since last cable; 4 deaths in all."

Measures against plague—Preventive inoculation.

Consular Agent Brewer reports, June 3:

Sanitary inspection of public buildings and private houses is being carried on, and orders have been issued for paving with cement the floors of all stables and similar structures. The burning of garbage is compulsory. To date 3,733 persons have been treated with Haffkine lymph. Rats and mice are being destroyed in great numbers. A special isolation hospital is being constructed.

Consul Manning, at La Guaira, reports, May 30, that no one is allowed to leave Caracas by any route without previous injection with Haffkine's lymph.

Reports from La Guaira—Yellow fever death at Maiquetia—Sanitary work—Examination of rats for plague infection—Preventive inoculation.

Consul Manning reports, May 24 and 30:

May 24. A fatal case of yellow fever occurred at Maiquetia May 24. The house in which the case occurred was fumigated, and the clothing and effects of the inmates were disinfected. There has been no spread of the disease.

Some effort has been made to capture rats for examination for plague infection, but no results have been reported. No quarantinable diseases exist at this port, with the exception of cases of leprosy in the lazaretto. No cases of plague have occurred here during the past month, and no rat plague is apparent, as no dead rats are found.

May 30. Sanitary work in La Guaira is being carried on actively, and Haffkine's lymph is being used freely for prophylaxis.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

AFRICA—*Lourenço Marquez.*—Month of March, 1909. Estimated population, 10,000. Total number of deaths, 42, including 12 from pulmonary tuberculosis.

Transvaal—Johannesburg.—Four weeks ended May 1, 1909. Estimated population, 180,687. Total number of deaths, 320, including enteric fever 24, scarlet fever 2, measles 4, whooping cough 3, diphtheria 2, and 43 from tuberculosis.

AUSTRALIA—*Brisbane.*—Month of March, 1909. Estimated population, 119,428. Total number of deaths, 139, including enteric fever 1, measles 1, diphtheria 2, and 12 from plumonary tuberculosis.

The State of South Australia, including the city of Adelaide.—Four weeks ended April 3, 1909. Estimated population: State, 394,692; city, 40,185. Total number of deaths, 274, including enteric fever 9, diphtheria 2, and 32 from tuberculosis. Cases: Enteric fever 48, scarlet fever 8, diphtheria 74, and tuberculosis 80.

State of Victoria, including the city of Melbourne.—Two months ended May 1, 1909. Estimated population of State, 1,237,998; city, 526,400. Total number of deaths not reported. Deaths from contagious diseases were: Enteric fever 54, scarlet fever 15, and 3 from diphtheria. Cases: Enteric fever 691, scarlet fever 1,653, diphtheria 320.

BRAZIL—*Ceara.*—Month of April, 1909. Estimated population, 55,000. Total number of deaths, 126, including scarlet fever 10 and 20 from tuberculosis.

CANADA—*Ontario—Hamilton.*—Month of May, 1909. Estimated population, 70,000. Total number of deaths, 79, including scarlet fever 2, diphtheria 1, whooping cough 2, and 7 from tuberculosis. Cases: Scarlet fever 29, diphtheria 9, measles 14, and whooping cough 22.

CUBA.—Month of February, 1909. Estimated population, 2,159,027. Total number of deaths, 2,155, including enteric fever 13, measles 8, whooping cough 9, diphtheria 16, leprosy 4, and 291 from tuberculosis.

Habana.—Month of March, 1909. Estimated population, 333,158. Total number of deaths, 534, corresponding to a death rate of 18.85 per 1,000 of population, including enteric fever 7, measles 7, scarlet fever 2, diphtheria 2, leprosy 2, and 78 from tuberculosis.

FRANCE—*St. Etienne.*—Two weeks ended May 15, 1909. Estimated population, 150,000. Total number of deaths, 115, including scarlet fever 2, diphtheria 2, and 15 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the two weeks ended May

22, 1909, correspond to an annual rate of 14.2 per 1,000 population, which is estimated at 16,234,952.

London.—Two thousand five hundred and eleven deaths were registered during the two weeks, including measles 106, scarlet fever 18, diphtheria 23, enteric fever 6, whooping cough 72, tuberculosis 296, and 18 from diarrhea. The deaths from all causes correspond to an annual rate of 13.55 per 1,000. In Greater London 3,562 deaths were registered. In the "outer ring" the deaths included 23 from measles, 6 from diphtheria, 20 from whooping cough, 7 from scarlet fever, and 2 from enteric fever.

Salford.—Annual report for the year 1908. Estimated population, 239,294. Total number of deaths, 4,356, corresponding to a death rate of 17.9 per 1,000 of population, including measles 168, scarlet fever 65, whooping cough 103, diphtheria 125, enteric fever 42, and 544 from tuberculosis.

Ireland.—The average annual death rate represented by the deaths registered during the two weeks ended May 22, 1909, in the 21 principal town districts of Ireland was 20.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Drogheda, viz, 4.1, and the highest in Lurgan, viz, 39.8, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the two weeks ended May 22, 1909, correspond to an annual rate of 16.2 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Paisley, viz, 28.9, and the lowest in Perth, viz, 10.3, per 1,000. The aggregate number of deaths registered from all causes was 1,156, including diphtheria 11, enteric fever 1, scarlet fever 6, whooping cough 55, and 13 from measles.

JAMAICA.—Annual report for the year ended March 31, 1908. Total number of deaths, 23,672, corresponding to a death rate of 28.3 per 1,000 of population, which is estimated at 834,012. The total number of deaths include 150 from measles, 1 from scarlet fever, 2 from typhus fever, 2 from whooping cough, 4 from diphtheria, 223 from enteric fever, 30 from leprosy, and 1,523 from tuberculosis.

MADAGASCAR—*Tamatave.*—Month of April, 1909. Estimated population, 7,086. Total number of deaths, 18. No deaths were reported from contagious diseases.

NEW ZEALAND—*Auckland.*—Month of March, 1909. Estimated population, 75,345. Total number of deaths, 83, including enteric fever 1, diphtheria 2, and 3 from tuberculosis.

Wellington.—Month of March, 1909. Estimated population, 73,697. Total number of deaths, 67, including enteric fever 1, and 5 from tuberculosis.

Christchurch.—Month of March, 1909. Estimated population, 62,096. Total number of deaths, 50, including 3 from tuberculosis.

Dunedin.—Month of March, 1909. Estimated population, 61,279. Total number of deaths, 45, including 1 from diphtheria.

WEST INDIES—*Curaçao.*—Month ended May 28, 1909. Estimated population, 30,000. Total number of deaths, 17. Cause of deaths not reported.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to June 18, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo	Nov. 15-Jan. 2	16	13	
China:				
Hongkong	Dec. 28-Jan. 16	2	2	
India:				
Bombay	Dec. 9-May 18		398	
Calcutta	Nov. 1-May 8		1,194	
Madras	Nov. 14-Apr. 9		61	
Negapatam	Oct. 31-Apr. 23		48	
Rangoon	Nov. 8-May 8		94	
Indo-China:				
Cholen	Nov. 9-15	1	1	
Saigon	Mar. 1-May 1	3	2	
Persia:				
Tabriz	Oct. 9-Dec. 28	1,003	500	
Philippine Islands:				
Manila	Nov. 1-Jan. 2	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique	Nov. 1-Jan. 16	260	163	
Bataan	Nov. 1-7	1	1	
Bohol	Dec. 20-Apr. 24	551	272	
Bulacan	Nov. 1-Feb. 27	82	71	
Cagayan	Nov. 1-Apr. 10	175	108	
Capiz	Nov. 1-Apr. 17	1,535	873	
Cavite	Nov. 1-Feb. 20	110	81	
Cebu	Dec. 20-Apr. 24	38	21	
Ilocos Norte	Nov. 1-Jan. 16	335	235	
Ilocos Sur	Nov. 1-Jan. 2	207	140	
Iloilo	Nov. 1-Apr. 17	495	155	
Isabela	Jan. 24-Apr. 24	21	12	
Laguna	Nov. 1-Mar. 6	119	81	
Leyte	Nov. 1-Mar. 6	158	125	
Misamis	Apr. 11-17	26	13	
Negros Occidental	Nov. 1-Apr. 24	606	341	
Nueva Ecija	Feb. 14-20	1	1	
Palawan	Nov. 1-Dec. 19	10	5	
Pampanga	Nov. 1-Apr. 10	105	78	
Pangasinan—				
Taytay	Apr. 10-17	9		
Rizal	Nov. 1-Apr. 17	249	218	
Samar	Nov. 1-Mar. 13	196	223	
Sorsogon	Jan. 10-Apr. 24	136	93	
Surigao	Nov. 15-Jan. 12	7	4	
Union	Nov. 1-Jan. 12	12	8	
Zambales	Dec. 6-12	3	3	
Russia, general	Nov. 15-May 22	4,085	1,792	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bijsk, Smeinogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk	Nov. 15-Jan. 23	34	13	
Bakoo	Nov. 22-28	3	2	
Batoon	Nov. 15-21	4	2	
Charkov	Dec. 6-Mar. 13	6	1	
Cronstadt	Nov. 15-Jan. 16	3	1	
Don, territory of	Nov. 15-Mar. 6	190	97	
Ekaterinislav	Nov. 15-Dec. 26	27	11	
Erivan	Dec. 1-31	28	21	
Helsingfors	Jan. 10	2	1	In vicinity.
Jaroslav	Feb. 7-Mar. 20	63	28	
Kherson	Nov. 15-Dec. 19	2		
Kief	Nov. 15-Dec. 12	11	1	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general—Continued.				
Kooban	Nov. 15–Jan. 2	139	76	
Kostroma	Dec. 6–12	1		
Livonia	Nov. 15–21	2	1	
Moscow district	Dec. 6–Jan. 30	8	8	Including Brownitza.
Moscow	Jan. 17–23	1	1	Imported.
Odessa	Nov. 29–Dec. 12	2	2	
Olonets	Nov. 21–28	1	1	
Poltava	Nov. 29–Dec. 5	3		
Romanov-Borisoglyebsk	Mar. 10			Present.
Rybinsk	Mar. 13	7		
Samara gov't dist	Nov. 29–Dec. 5	7	7	
Samarcand	Dec. 6–12	10	7	In vicinity.
Saratov	Nov. 15–Dec. 12	11	6	Mar. 21, 1 case.
Semipalatinsk, territory of	Dec. 19–26	1		
Stavropol	Nov. 15–21	1		
St. Petersburg, government	Nov. 15–Mar. 19	35		
St. Petersburg	Nov. 29–May 22	2,372	725	May 27, still present.
Tambov	Nov. 15–Dec. 12	16	8	
Tavride	Nov. 15–Dec. 19	9	5	
Terek, territory of	Nov. 15–Dec. 19	99	62	
Tiflis	Nov. 15–21	9	4	
Tomsk	Nov. 15–Jan. 23	102	48	
Toula	Feb. 21–Mar. 6	7	2	
Tver district	Nov. 15–Dec. 5	4		
Volgoda	Dec. 6–12	1		
Yelisavetpol	Nov. 26–Dec. 5	5	10	
Siam:				
Bangkok	Nov. 1–Apr. 24	2	1	
Straits Settlements:				
Penang	Feb. 27	1		From s. s. Sunki Maru.
Singapore	Nov. 8–Apr. 24		167	

YELLOW FEVER.

Barbados, general	Dec. 12–May 22	73	22	Including the parishes of St. Andrew, St. John, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown	Dec. 12–Mar. 20	11		
Speightstown	Mar. 7	1		
Brazil:				
Bahia	Nov. 15–May 7	201	79	
Manaos	Nov. 29–May 15		20	
Para	Nov. 22–May 22		83	
Pernambuco	Nov. 15–Mar. 15		3	
Rio de Janeiro	Apr. 18–25	1		
Colombia:				
Cartagena	Jan. 8–14	1	1	
Cuba:				
Oriente Province—				
San Luis	Jan. 1–2	2	1	These cases were removed Dec. 2. and 29, respectively, to Santiago, where 1 case died Dec. 31.
Curaçao	Jan. 15	1		
Dutch Guiana:				
Paramaribo	Dec. 1–Jan. 27	32	8	
Ecuador:				
Guayaquil	Nov. 29–May 15		152	
Martinique:				
Fort de France	Dec. 13–Mar. 6	5	1	
Mexico:				
Itzincal plantation	Dec. 6–12	2	2	
Maxcanu	Dec. 6–Jan. 23	5	4	Aug. 22–Dec. 18, 5 cases not previously reported.
Merida	Dec. 6–June 2	19	8	May 19, 1 case from Tekax.
San Bernardo plantation	Dec. 27–May 1	8	4	
Sodzil plantation	Dec. 13–Jan. 2	7	5	
Ticul	Feb. 1–Apr. 13	4	2	
Veracruz	Dec. 6–Feb. 13	13	6	
Portugal:				
Lisbon	June 1	1		In quarantine from s. s. Lanfranc; 4 deaths en voyage from Para, from May 18.
Trinidad:				
Port of Spain	Jan. 20		1	
Venezuela:				
Maiquetia	May 24	1	1	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Mascat	Apr. 16	1	1	From s. s. Agrica.
Azores:				
Fayal	Apr. 1	1		Sept. 22-Mar. 31, 10 cases additional.
Terceira	Mar. 31-Apr. 30	19	7	
Australia:				
Brisbane	Nov. 1-7	1	1	
Newcastle	Mar. 1-31	1		
Sydney	Mar. 6-27	13	4	
Belgium:				
Antwerp	Apr. 11	3		In quarantine at Doel from s.s. Rubens.
Brazil:				
Bahia	Nov. 15-Apr. 30	61	28	
Para	Jan. 24-Feb. 6		2	
Pernambuco	Nov. 1-Dec. 31		10	
Rio de Janeiro	Nov. 16-May 9	79	36	
Chile:				
Antofagasta	Feb. 28-Apr. 17	42		May 1, 5 cases in lazaretto.
Arica	Mar. 9			Present. May 13, again present.
Iquique	Jan. 1-May 8	77	28	Year 1908, 133-70; May 8, 20 cases in the lazaretto.
Magillones	Mar. 9-10	70		
Taltal	Feb. 11			Present.
China:				
Amoy	Mar. 6-Apr. 30	251	50	Apr. 17, present in vicinity, and present at Wuchang in September.
Am Phau	Apr. 1-30	5	3	
Canton	Mar. 6-May 1	115	80	
Changchew	Apr. 3			Epidemic.
Chinchew	Mar. 7-Apr. 3			Present.
Fukien Province, Chang Poo	Mar. 7-Apr. 26			Epidemic.
Hankau	Nov. 30-Dec. 5	1	1	On river boat Loongwo.
Hongkong	Nov. 8-Apr. 3	31	23	
Tamchou	Dec. 19			Vicinity of Hainan; present.
Tientsin	Oct. 18-Nov. 21			Present. Feb. 16, again present.
Tongshan	Nov. 1-14			Present.
Ecuador:				
Babohoyo	Jan. 16-Mar. 27	5		
Guayaquil	Nov. 29-May 15		128	
Milagro	Nov. 17-Jan. 18	18	8	
Nisag	Jan. 16	7		
Tolte	Dec. 25-Jan. 17	30	20	
Egypt:				
Alexandria	Nov. 14-May 3	5	1	
Port Said	Dec. 4-May 23	8	5	
Suakim	Feb. 1	1		On s.s. Huriet II.
Provinces—				
Assiout	Dec. 2-May 13	32	25	
Beherach	Nov. 24-Dec. 26	11	6	
Benisouef	May 24	1		
Dakaklieh	Feb. 4-Mar. 20	6	6	
Galyoobeeyeh	Nov. 21-May 10	4		
Garbieh	Nov. 27-May 25	11	3	
Girgeh	Oct. 18-Mar. 14	8	8	
Fayoum	Nov. 23-May 26	44	23	
Menouf	Nov. 27-Jan. 17	155	35	
Minieh	Nov. 25-May 16	22	11	
German East Africa:				
Dar-es-Salaam	Oct. 10-Jan. 7	7	5	
Muanza	Apr. 14		60	
Great Britain:				
Elstree	Feb. 3-4	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.	Nov. 2-Apr. 24	25,872	18,840	
Madras Presidency	Nov. 2-Apr. 24	1,260	899	
Bengal	Nov. 2-Apr. 24	6,716	5,671	
United Provinces	Nov. 2-Apr. 24	12,082	10,515	
Punjab	Nov. 2-Apr. 24	26,350	21,096	
Burma	Nov. 2-Apr. 24	5,943	5,607	
Central provinces, including Berar.	Nov. 2-Apr. 24	6,566	5,201	
Coorg	Nov. 2-Dec. 17	5	3	
Mysore State	Nov. 2-Apr. 24	3,023	2,184	
Hyderabad State	Nov. 2-Apr. 24	640	536	
Central India	Nov. 2-Apr. 24	819	636	
Rajputana	Nov. 2-Apr. 24	4,677	4,160	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Kashmir	Mar. 14-Apr. 24	23	12	
Northwest Province	Mar. 21-Apr. 27	2		
Grand total		93,978	75,360	
Bahrein Island, Persian Gulf	May 12	3	1	
Indo-China:				
Cholen	Oct. 25-Dec. 19	12	11	Including Chuquan.
Saigon	Oct. 25-May 1	40	43	
Japan:				
Amagasaki	Feb. 27			Present.
Awaji Island, Sumoto	Feb. 27			Do.
Formosa	Nov. 8-May 8	767	314	Mainly in the central and south central part.
Himeji	Apr. 30	1	1	
Hiogo, prefecture				Year 1908, 219 cases additional.
Kagi, prefecture	Jan. 16	5		
Kagoshima, prefecture	Feb. 6	1		From s. s. Shinkochi Maru.
Kioto	Apr. 24	1	1	
Kobe	Jan. 20-Apr. 30	9	7	3 cases from s. s. Ghazee. Feb. 27, again present. Apr. 3, 1 case in vicinity.
Mikagi	Feb. 27			Present.
Nara, prefecture				Year 1908, 2 cases additional.
Nishinomiya	Jan. 6	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka	Dec. 22-May 1	4	2	Year 1908, 59 cases additional. Case Jan. 29, on s. s. Shinkochi Maru.
Tokushima, prefecture		1		Year 1908.
Yokohama	May 17	9	3	
Yura		116	83	Do.
Mauritius	Oct. 2-Jan. 31		115	
Persia:				
Bushire	Apr. 30		10	On a vessel.
Peru:				
Arequipa, department	Feb. 19-May 6	10	5	
Mollendo	Nov. 1-Feb. 18	1	5	
Cajamarca, department	Feb. 19-May 6	84	56	
Caseas	Feb. 12-18	12	5	
Chota	Jan. 22-Feb. 18	8	8	
Callao, department	Feb. 19-May 6	17	9	
Callao	Nov. 13-Feb. 18	18	11	April 21, present.
Lambayeque, general	Feb. 19-May 6	79	27	
Chiclayo	Nov. 13-Feb. 18	44	23	
Eten	Nov. 13-Dec. 31	11	10	
Jayanca	Feb. 4	12		
Lambayeque	Feb. 18-Mar. 4	6	5	
Motupe	Dec. 17-Jan. 14	2		
San Jose	Nov. 13-Dec. 3	2		
Zaña	Jan. 14-Feb. 18	4	2	
Libertad, department	Feb. 19-May 6	62	22	
Casma	Feb. 4	1	1	
Chepen	Nov. 27-Feb. 18	19	6	
San Pedro	Nov. 13-Feb. 18	28	21	
Trujillo	Nov. 13-18	153	70	
Lima, department	Feb. 19-May 6	53	19	
Chorrillos	Jan. 22-Feb. 4	2	2	
Lima	Nov. 13-Feb. 13	50	19	
Huarochiri, Matucana, Surco.	Feb. 4	15		
Piura, department	Feb. 19-Mar. 4	2	1	
Catacaos	Dec. 11-Feb. 18	7		
Paita	Dec. 11-17	3	2	
Piura	Dec. 11-Jan. 14	6	4	
Russia:				
Libau	Mar. 30-Apr. 5	1		
Siam:				
Bangkok	Sept. 27-Apr. 24	16	8	
Straits Settlements:				
Singapore	Nov. 30-Apr. 24	6	6	
Trinidad:				
Port of Spain	May 27		1	
Turkey in Asia:				
Bagdad	Nov. 6-May 18	19	7	
Beirut	Dec. 17-Jan. 9	5	5	
Jiddah	Dec. 12-Apr. 25	178	160	
Venezuela:				
Caracas	May 20-June 9	8	4	
Zanzibar	Nov. 10	1	1	

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Dec. 1-Apr. 30		113	
Bona	Jan. 1-Apr. 30	80	47	
Arabia:				
Aden	Nov. 25-Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1-Feb. 28		5	
Australia:				
New South Wales—				
Newcastle	Nov. 1-30	1		
Austria:				
Bohemia	Jan. 31-May 1	9		
Galicia	Dec. 20-May 15	12		
Silesia	Jan. 3-May 1	6		
Trieste	Mar. 21-27	1		
Barbados:				
Bridgetown	May 1	1		From s. s. Parima.
Brazil:				
Bahia	Nov. 15-May 7	358	39	
Para	Feb. 14-Mar. 27	3	2	
Pernambuco	Nov. 1-Mar. 15		118	
Rio de Janeiro	Nov. 16-May 16	1,449	709	
Santos	Nov. 1-Dec. 20		10	
São Paulo	Nov. 1-May 2		66	
British Honduras:				
Stann Creek	Feb. 5-Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28-Mar. 13	5		
Durban	Mar. 20-27	1		
East London	Apr. 10-17	1	1	From s. s. Elleric.
Canada:				
British Columbia—				
Vancouver	Dec. 1-Apr. 30	8		
Victoria	Dec. 12-Feb. 28	28	4	
Manitoba—				
Winnipeg	Dec. 20-May 29	8		
Ontario, Province, general	Dec. 1-31	118		
Hamilton	Jan. 17-23	1		
Toronto	Nov. 8-May 15	26		
Nova Scotia—				
Halifax	Dec. 13-June 5	88		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1-May 29	32		Revised.
Quebec—				
Montreal	Dec. 26-Jan. 2	1		
Quebec	June 5	1		At Grosse Isle from s. s. Virginian.
Ceylon:				
Colombo	Nov. 1-May 8	206	4	
Chile:				
Concepcion	Jan. 15-31	1		
Santiago	Apr. 27			Epidemic in suburbs.
Talcaguana	Nov. 20-Jan. 28			Present in vicinity.
Valparaiso	Dec. 6-19	2		
China:				
Amoy, Kulangsu	Oct. 11-Nov. 8		2	May 1, still present.
Canton	Mar. 6-May 1	95		
Hankau	Mar. 20			Present.
Hongkong	Jan. 3-Apr. 3	18	6	
Shanghai	Nov. 11-May 1	7	7	3 cases Nov. 11-Dec. 28 from U. S. transport Seward, case Apr. 17 from s. s. Helena.
Tientsin	Jan. 17-May 8	19	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26-Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Mar. 31	50	30	
Cairo	Nov. 19-May 13	508	146	
Suez	Feb. 19-May 20	83	5	
France:				
Marseille	Dec. 1-Apr. 30		5	
Nantes	Mar. 15-21	1		
Nice	Jan. 1-Feb. 28	2		
Paris	Nov. 22-May 22	73	3	
Toulon	Jan. 1-31	1		

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany, general	Nov. 19-May 29	103		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13-May 22	4		Among Russian emigrants.
Konigsberg	Jan. 9	1		
Gibraltar	May 2	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-May 22	34	9	
Cardiff	Apr. 3-May 1	1	1	
Dunbar	Mar. 21-27	1		From a vessel.
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21-May 29	606	200	Estimated, 2,800 cases; 840 deaths.
India:				
Bombay	Nov. 25-May 18		327	
Calcutta	Nov. 1-May 8		3,573	
Madras	Nov. 28-May 18		39	
Rangoon	Nov. 22-May 8		110	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-May 4	57	32	
Italy, general	Nov. 30-May 23	405		
Catania	Feb. 28-May 8	9		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-May 15	13		Jan. 18, 1 case on s. s. Europa.
Naples	Dec. 7-May 23	435	71	Apr. 23, 1 case on s. s. Montevideo. May 1, 1 case on s. s. Verona.
Palermo	Jan. 24-Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Turin	May 15-21	1		
Japan:				
Formosa	Nov. 29-May 8	23		
Kobe	Feb. 14-Mar. 6	5	2	2 cases in March from s. s. Ghazee from Singapore.
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-May 1	89	10	
Malta	Nov. 22-Feb. 20	4	1	Nov. 22. 1 case on vessel
Manchuria:				
Dalny	Jan. 17-Apr. 10	7	2	
Mexico:				
Acapulco	Jan. 11-Feb. 14	15		
Acayucan	Mar. 17			Present.
Chihuahua	Apr. 19-June 6	8	3	
Guadalajara	Jan. 7-27		20	
Matamoras	May 9-15	1		
Mexico City	Nov. 8-May 8		364	
Monterey	Jan. 4-June 6		86	
Puebla	May 9			Epidemic.
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Salina Cruz	Jan. 1-15	5		
Tampico	Apr. 28-June 2			Present at localities between Tampico and Tuspan.
Tehuantepec	Jan. 28-Feb. 3			Present.
Veracruz	Dec. 13-May 31	10	6	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands	Dec. 12			Do.
Netherlands, The:				
Nymwegen	Apr. 28-May 4	1		
Rotterdam	Jan. 10-Mar. 27	1	1	
Newfoundland	Feb. 9-Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10-Apr. 3	11		Jan. 10, 1 case from s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Kermanshah	Mar. 1-31	22		Present in October.
Mash-Had	Apr. 5			Present.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.
Tabriz	Oct. 2-Apr. 5			Do.
Teheran	Sept. 18-Oct. 28		17	
Trebizond	Jan. 16			Do.
Peru:				
Lima	Nov. 22-Dec. 31	11		Mar. 27, 1 case in the lazaretto.
Salaverry	Nov. 19-25		1	
Philippine Islands:				
Manila	Nov. 1-Apr. 24	111	22	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez	Dec. 20-Jan. 2	2		
Portugal:				
Lisbon	Nov. 30-May 22	80		Jan. 27, 1 case from s. s. Aragon.
Russia:				
Batoom	Dec. 1-Mar. 31	4		
Moscow	Nov. 20-May 22	553	211	
Odessa	Oct. 4-May 22	97	17	
Reval	Jan. 1-31	1		
Riga	Nov. 29-May 29	45		
St. Petersburg	Nov. 15-May 8	259	79	
Warsaw	Nov. 1-Apr. 17		86	
Salvador:				
Ahuachapan	Apr. 27	5		In quarantine.
San Geronimo, Canton	Apr. 27	7	2	Matopan, department.
San Salvador	Feb. 6	3		
Santa Ana	Feb. 6-Apr. 27	40		Present on routes to Guatemala.
Santiago	Apr. 27	12		
Servia:				
Belgrade	Dec. 6-May 15	16	6	
Siam:				
Bangkok	Feb. 1-Apr. 24	147	92	Present in November.
Siberia:				
Vladivostok	Dec. 14-Feb. 14	2		
Southeast Africa:				
Lourenço Marquez	Jan. 1-31	1	1	
Spain:				
Almeria	Jan. 1-Apr. 30		10	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona	Dec. 6-May 31		91	
Cartagena	July 1-31		15	
Huelva	Mar. 1-31		2	
Madrid	Nov. 1-Apr. 30		118	
Valencia	Nov. 29-May 22	134	11	
Vigo	Nov. 30-May 22		14	
Straits Settlements:				
Penang	Mar. 1-27	2	2	Mar. 1, 1 case from s. s. Pentakota; case Mar. 27 from s. s. Hong Sin.
Singapore	Dec. 28-May 1		18	
Switzerland:				
Geneva	May 9-15	2		
Zug, Canton	Apr. 11-17	1		
Zurich	Feb. 21-27	3		
Tripoli:				
Tripoli	Feb. 13-Apr. 24	181	31	
Turkey in Asia:				
Adalia	Sept. 24-27		2	
Bagdad	Feb. 13-May 8			Present.
Bassorah	Jan. 3-May 15			Do.
Smyrna	Oct. 7-May 6		75	
Turkey in Europe:				
Constantinople	Dec. 7-May 23		75	
Trebizond	Feb. 7-May 2			Do.
Uruguay:				
Montevideo	Dec. 1-Mar. 31		21	

Weekly mortality table, foreign and insular cities.

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Aberdeen	May 22	181,918	47										1	3
Acapulco	Mar. 6	5,000	8	1									4	
Do	Mar. 13	5,000	7										3	
Do	Mar. 20	5,000	7										2	
Do	Mar. 27	5,000	6	1									2	
Do	Apr. 3	5,000	5											
Do	May 22	5,000	6											
Aden	May 17	43,974	30	6										
Aguascalientes	May 23	40,000	88	5					3		1		3	2
Do	May 30	40,000	82	2					1		3		1	3
Aix la Chapelle	May 8	159,750	59	13							1		3	1
Do	May 15	159,750	47	6										3
Amsterdam	May 22	566,304	114	17							1		3	4
Antwerp	May 15	343,921	68	5								1	1	
Baracoa	May 22	27,000	4									1		
Barcelona	May 24	600,000	385	20				6		6		3	10	
Barmen	May 8	161,400	37	8						1	1			
Barranquilla	May 15	40,000	17	2										
Basel	do	131,000	30	10										
Do	May 22	131,000	33	7										1
Belfast	do	386,576	180	43								1		9
Belize	May 27	9,113	2											
Bergen	May 15	87,749	15	2						1		3		
Do	May 22	87,749	14	2								1		
Berlin	May 8	2,099,833	566	90							9	12	7	5
Birmingham	May 22	558,336	172							1	1	4	4	3
Bluefields	do	2,500	2											
Bombay	May 11	977,822	895	53	313	10		24		4			3	
Bradford	May 22	293,983	99	3						1			2	1
Breslau	May 15	335,186	195	40						1		3		5
Bristol	May 22	377,642	100	9				2					2	2
Brussels	do	704,975	195	23							1	1	4	
Budapest	May 15	804,200									3	2	7	
Calcutta	May 1	847,796	718	25	127	105		100						
Canton	Apr. 24	1,000,000	300	30	20					5		3		
Do	May 1	1,000,000	350	30	35					5		2		
Chemnitz	May 15	274,993	89	10							1			1
Chihuahua	May 30	37,000	28	3						2				
Christiania	May 15	235,000	66									3	2	3
Do	May 22	235,000	65										1	3
Coburg	May 15	23,465	8								1			
Cognac	May 22	19,483	4											
Cologne	May 15	409,879	124	19							4	6	2	2
Colombo	Apr. 24	183,872	100	7						6			1	
Constantinople	May 16	1,000,000	243	42				2		8				
Copenhagen	May 8	447,000	116	13							1		1	4
Dalny	May 1	36,885	13											
Do	May 8	36,885	12											
Denia	May 15	12,431	2											
Dresden	May 22	546,900	145	17								3	2	
Dublin	May 15	394,525	153	21						2			3	5
Do	May 22	394,525	176	28						4		1		4
Dundee	do	169,409	57											
Durban	May 1	60,244	14	1										
Edinburgh	May 22	355,366	117	11										10
Erfurt	May 1	107,189	27	2						3	1		2	
Fiume	May 8	50,811	13	4							1			
Do	May 15	50,811	32	11										
Do	May 22	50,811	13	2										
Flushing	do	21,208	6											
Fort de France	May 15	27,069	17											
Do	May 22	27,069	17											
Frankfort on the Main	May 15	362,600	89								1			1
Frontera	May 22	9,000	2											
Geneva	May 8	121,500	45								1			
Do	May 15	121,500	31							2				
Georgetown	May 1	56,000	42	2						1		2		
Do	May 8	56,000	34	1										
Ghent	May 15	164,579	53	4							1	1	1	
Glasgow	May 28	872,021	286								3	4	2	22
Gothenburg	May 15	162,400	34	6										1
Do	May 22	162,400	45	9									1	1

Weekly mortality table, foreign and insular cities—Continued.

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Greenock	May 22	72,300	28											1
Guadalajara	May 20	125,000	113											
Do	May 27	125,000	127					3			19			
Halifax	May 31	40,787	27	2										
Hamburg	May 15	872,252	263	39						1	2	4		4
Do	May 22	872,252	294	39							1	6		2
Hamilton, Bermuda	May 31	20,206	5											
Havre	May 15	132,430	66	13						2			2	2
Do	May 22	132,430	60	11						1		1		1
Hilo, Hawaii	May 15	3,500	8	1										
Hull	May 22	275,552	70										1	1
Lausanne	May 8	60,000	20											
Do	May 15	60,000	19											
Leeds	May 22	484,012	117	10						1				1
Leipzig	May 15	537,686	146	25							1	1		1
Leith	May 22	85,721	23	4										1
Liege	May 15	176,465	50	5									1	1
Liverpool	May 22	760,357	276	22					1	2	3	3	12	6
Lisbon	Apr. 17	406,869	182	33						1		1	1	
Do	Apr. 24	406,869	139	17						2	1	3		
London	May 22	4,833,938	1,295	150						6	6	16	53	42
Lübeck	do	97,000	28	4										
Lyon	May 8	472,114	184	36									1	
Do	May 15	472,114	154	43							1			1
Madras	May 7	509,346	338					4					7	
Managua	May 8	22,278	26	2										
Manaos	May 15	52,040	26				4							
Manchester	May 22	631,533	227	20						3	1	4	13	4
Mannheim	May 1	182,811	56	9								1	1	
Do	May 8	182,811	36	6						1			3	
Manzanillo	May 22	1,700	2											
Do	May 29	1,700	4											
Matamoros	do	8,000	4											
Mazatlan	do	22,000	23											
Mexico	Apr. 24	400,000	442	34				28	12		13	2	5	1
Do	May 1	400,000	477	42				23	15	2	8	1	5	1
Do	May 8	400,000	475	33				15	18		13	4	2	1
Milan	May 9	900,000	240	35						1	8		3	
Do	May 16	900,000	272	33						5	7		1	
Moncton, N. B	June 5	13,500	2									1		
Monrovia	Apr. 23	7,000	4											
Do	Apr. 30	7,000	6	1										
Monterey	May 30	100,000	110	6				5		4			2	
Montreal	May 29	378,806	128	18						1	2	2	4	1
Moscow	May 15	1,335,104	761	97				6	5	1	16	14	45	6
Munich	do	566,000	213	44							6	3	4	2
Nagasaki	May 9	175,936	34									1		
Naples	May 22	593,729	295					3				1	1	
Newcastle-on-Tyne	do	281,584	95							1		4		1
Nottingham	May 15	260,000	83									1	2	
Nuevo Laredo	May 29	8,000	5	1										
Nuremberg	May 1	316,180	122	24							1	1		1
Do	May 8	316,180	107	27							1			
Ottawa	May 22	80,200	22											
Do	May 29	80,200	19											
Para	May 15	185,000	83	10			7							
Do	May 22	185,000	96	6			3							
Paris[a]	Jan. 23	2,776,394		209						7	2	4	1	3
Do	Feb. 27	2,776,394	1,116	238						6	3	4	4	7
Do	May 15	2,776,394	996	212						4	4	4	7	7
Do	May 22	2,776,394	1,009	225						7	4	9	21	9
Penang	May 1	102,520	72	16										
Plymouth	May 22	124,180	31									1		
Port Elizabeth	May 8	32,959	11								1		1	
Prague	May 15	229,965	140	38						1	1	1	1	
Queenstown	May 22	7,684	6											
Rangoon	May 1	252,155	194	9	18	7		8					1	
Rotterdam	May 22	413,563	118							1				
Saigon	Apr. 17	206,000			2									
Do	Apr. 24	206,000			4					1				
Do	May 1	206,000			3			4						

[a] Reported out of date.

Weekly mortality table, foreign and insular cities—Continued.

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St. John, N. B	June 5	40,711	12	4										
St. Petersburg	May 1	1,678,000	874	137		5		5	2	6	19	12	37	11
Do	May 8	1,678,000	874	150		6		8	3	8	16	14	43	12
San Feliu de Guixols	May 22	11,094	2											
Santa Cruz de Teneriffe	May 15	46,000	12	2										
Do	May 22	46,000	16	2									1	
Santiago de Cuba	May 29	53,614	18	3										
Shanghai [a]	Jan. 10	565,000	122	18								1		
Do	Jan. 17	565,000	124	10							1	3		
Do	Jan. 31	565,000	131	17										
Do	Apr. 24	565,000	116	12								1		
Do	May 1	565,000	113	11				1				1		
Smyrna	Apr. 29	400,000	54	17						1				
Do	May 6	400,000	51	11				1		1				1
Southampton	May 22	124,667	26	2										
Stockholm	May 8	339,582	112	24							1	3		1
Sunderland	May 22	159,137	55										3	1
Tarragona	Mar. 20	20,400	8											
Do	Mar. 27	20,400	7											
Do	May 22	20,400	8	2										
Tegucigalpa	May 18	24,000	9											
Turin	May 21	381,439	156	12								4	1	
Valencia	May 15	240,000	87	9				1					1	
Vevay	May 8	14,500	2											
Do	May 15	14,500	5											
Victoria	May 29	30,000	9	1										
Vienna	May 15	2,064,037	789	149						1	8	3	15	8
Vigo	May 22	40,000	17	6								1		
Warsaw	Mar. 27	751,595	276	52				1	3		2	2	2	
Do	Apr. 3	751,595	281	65				4	4	2	5	1	8	2
West Hartlepool	May 22	66,750	15											
Winnipeg	May 29	122,000	35	1						2		1		
Zanzibar	Apr. 21	75,000	28	9										
Do	Apr. 30	75,000	31											

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By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
United States Public Health and Marine-Hospital Service.